



One Solution. One Company.

PRODUCT CATALOG

—
NETWORK
VIDEO
RECORDERS

—
NETWORK
CAMERAS

—
NETWORK
ACCESSORIES

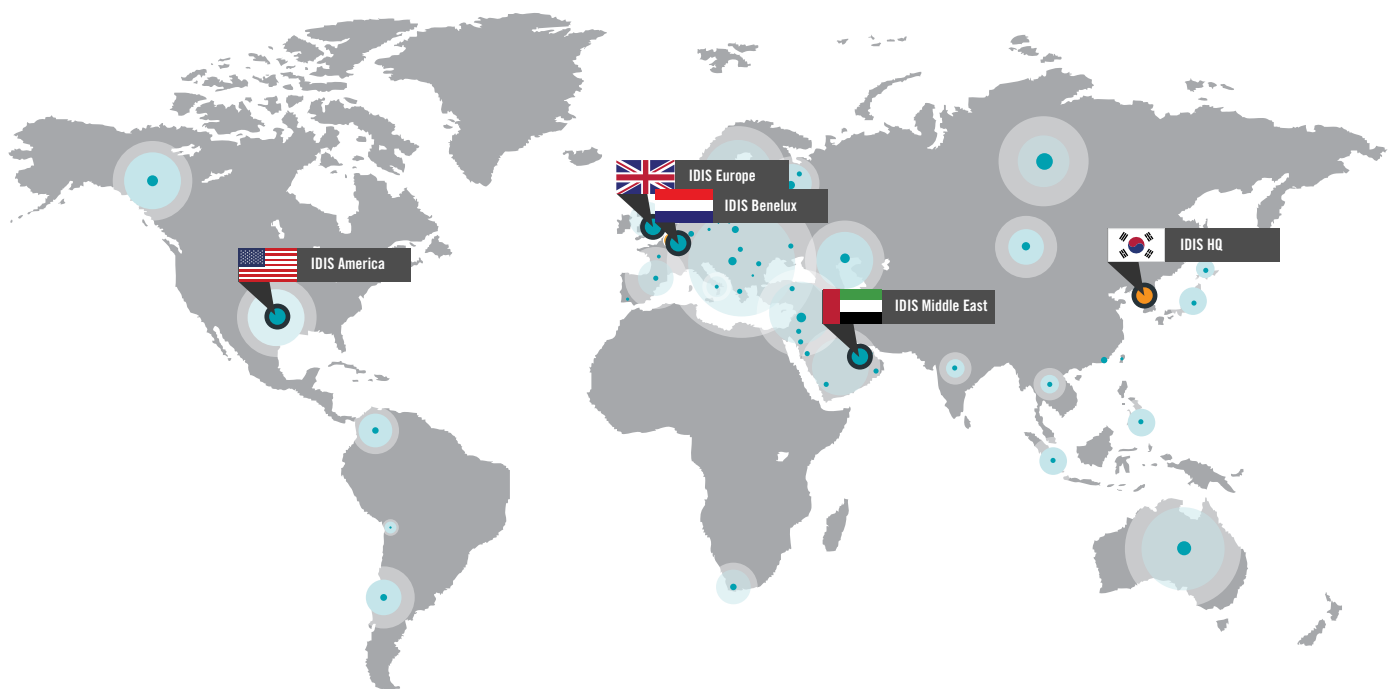
—
SOFTWARE
SOLUTIONS

—
HD-TVI
SOLUTION

—
SURVEILLANCE
DISPLAYS



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● = IDIS Partner



IDIS delivers total surveillance solutions combining highest quality, world-class performance, and a low total cost of ownership. Easily scaled and adapted, IDIS meets both current and future requirements.

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DA-CM1300
DA-CM1500
DA-CM2050

POLE MOUNT

DA-LM2000
DA-LM1100

CORNER MOUNT

DA-RM2000
DA-RM1100

FLUSH MOUNT

DA-FM1300

ADAPTER PLATE

DA-BM1100
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Make Your Surveillance FUTURE PROOF

1

Flexible, scalable,
forward compatible technology

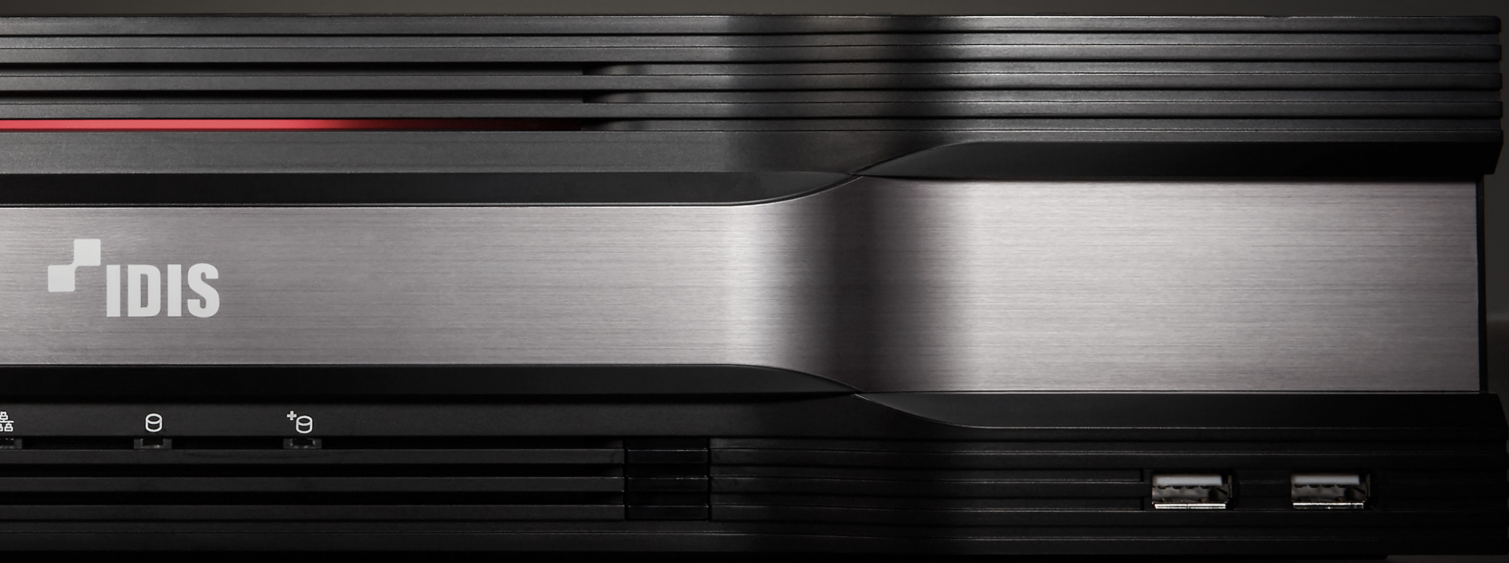
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High performance,
customized solutions for every need

3

Simple legacy migration
and off-the-shelf integration





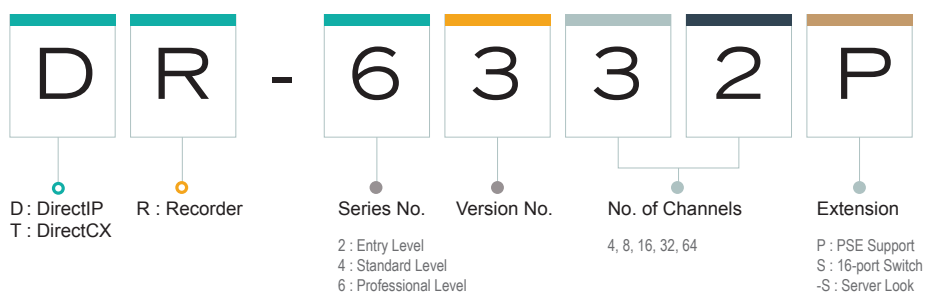
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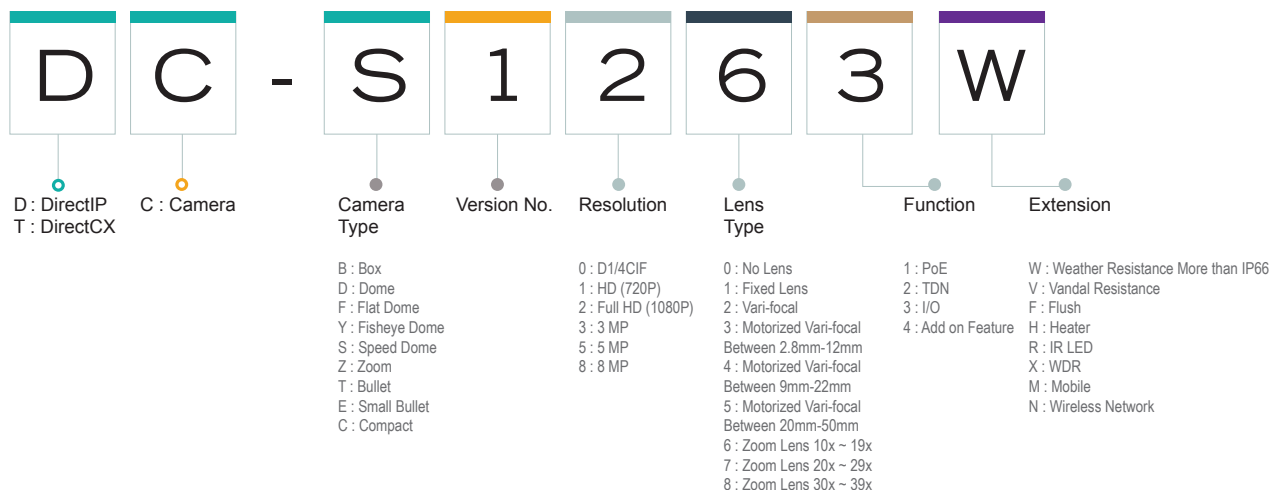
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NAMING STRUCTURE

Network Video Recorders



Network Cameras



ICON GUIDE

Network Cameras

1280 x 720	1920 x 1080	2304 x 1296	2560 x 2048	3840 x 2160	
Fixed Lens	V/F Lens	Motorized V/F Lens	A/F Lens 18x	A/F Lens 30x	Fisheye Lens
True Day and Night with ICR	True Wide Dynamic Range	BLC	HSBLC	Two-way Audio	
IR LED	PIR Sensor	Vandal Proof	Weather Proof	Power Over Ethernet	Digital Image Stabilization

10 Technical Reasons to Partner with IDIS



True Plug-and-Play

Zero configuration technology has been implemented into the entire IDIS DirectIP™ systems, which is powered by DirectIP protocol including auto-IP (link local address), multicast DNS (mDNS), and DNS service discovery (DNS-SD).



Unrivalled Performance

IDIS DirectIP network video recorders (NVRs) are built with strong processing power that ranges from 84Mbps for compact 4ch up to 330Mbps for 16ch unit, making it possible to perform Full HD 2MP 30ips real-time streams for 16 cameras simultaneously with Pentaplex operation.



Quad-stream Technology

IDIS DirectIP cameras are all equipped with four video streams, each of which can be configured and used independently with preferred resolution, quality, and bit rate.



1080p 30ips Live, Record, and Playback

IDIS DirectIP NVRs display Full HD 30ips, both in full screen and 2x2 screen, with a guaranteed recording and playback speed of Full HD 30ips for up to 16 channels, enabling 4K display at real-time speed.



For Every Network (FEN)

FEN is IDIS's proprietary free dynamic DNS for remote access via free Apple, Android, Windows PC, or Mac clients. No static IP is required.



ISM Technology

ISM (IDIS Storage Management) technology is applied to every DirectIP NVR, making the HDD failure rate lower than 0.5% pa. with solutions for anti-shock, anti-vibration, and more ventilation.



Transmission Media

Zero configuration layer two managed switches, Ethernet over coax with Power Over Ethernet (PoE) support, fiber media converter, SFP module, PoE repeater, PoE injector, and PoE extender (up to 390m on CAT5 UTP).



Free Video Management Software (VMS) Client

1024x NVR registration, drag and drop, live and playback, video wall with 256 cam control from one PC with up to, six monitors, virtual matrix control via IDIS network keyboard, 3D mapping, and reporting/event management.



Encoder and Decoder

IDIS encoders (4ch and 8ch) are true plug-and-play with zero configuration, which supports more than 60 PTZ protocols for analog PTZ camera control. Decoders convert Ethernet video streams to either VGA, DVI, or HDMI monitor outputs.



Storage Expansion

IDIS provides 1U type 4-Bay eSATA device with RAID 0/1/5 support. Simple true plug-and-play connection with IDIS DirectIP NVRs, which can be configured as up to 132TB storage, using one NVR with 4 eSATA units as a single system.

10 Commercial Reasons to Partner with IDIS



One Stop Shop Solution

IDIS provides an extensive range of 1~5 MP cameras, 4~32 channel HW NVRs, layer 2 PoE switches, VMS, mobile apps, PC client, encoder, decoder, network keyboard, transmission media, and all accessories, fully compatible with one another.



Low Total Cost of Ownership (TCO)

IDIS DirectIP is free of license costs (free VMS, free client and apps, no additional camera license, no software support agreement, no annual fee). Lower cost of training and maintenance and a longer lifetime.



Low Maintenance Cost

Designed with high reliability components, IDIS's own invented ISM Technology keeps HDD disk failure rate lower than 0.5% p.a., with an automatic self health-check and instant notification to users.



Low Power Consumption

When using IDIS IP cameras, customers can save energy costs from 20% up to 32% on camera power. It becomes apparent when a larger number of cameras are powered for years.



Easy Installation

Zero configuration with true plug-and-play makes the camera and NVR installation trouble-free and quick. IDIS's proprietary FEN technology makes an automatic connection between NVR and VMS/mobile apps.



Reduced End-user Training Time

Little to no network knowledge is required to run the IDIS DirectIP solution. No need to involve client IT managers. Operation is just as simple as an analog CCTV system.



Technical Training Programs

IDIS provides certificated training courses and custom training programs throughout our worldwide offices.



Sales Support and Training

IDIS provides product demos, bullet points, and comprehensive marketing materials continuously at local and global levels to boost customers' sales performance.



Buy Directly from a Manufacturer

IDIS designs, develops, manufactures, and supports all under one roof. Direct communication with the systems and software manufacturer is always a top advantage both commercially and technically.

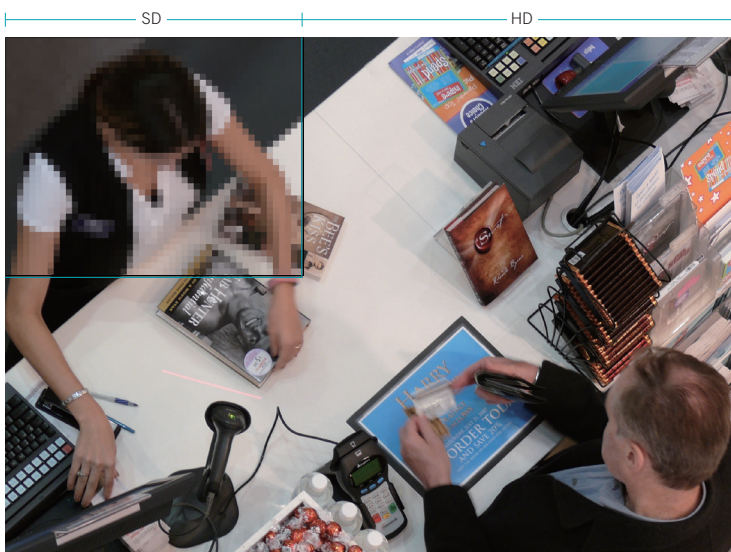


Free Region-based Technical Support

IDIS will provide free region-based technical support. On-site support will also be available for issues which cannot be rectified over the phone.

Direct IP™ Solution Platform

Increasing demand for HD surveillance



In the past, there has been market reluctance to adapt to IP-based surveillance systems, often because they are perceived as being more complicated than conventional analog solutions.

The analog surveillance market has been developed to embrace digital video technology over a number of years primarily by using analog cameras, supported by digital video recorders (DVRs). However, the demand for HD resolution continues to develop and is quickly becoming the norm for many security conscious businesses.

IP-based security systems provide higher image quality than DVRs, as a NVR does not need to compress incoming video sources (as this is supplied by the cameras). However, this function will not fulfill the end users' expectation alone.

Challenges of affordability, performance, integration, and compatibility are inherent to the marketplace. Many traditional IP-based security systems are very complicated to install, especially when the systems are communicating with multiple sensors, audio devices, and ATM/POS devices.

DirectIP
relieves those complexities



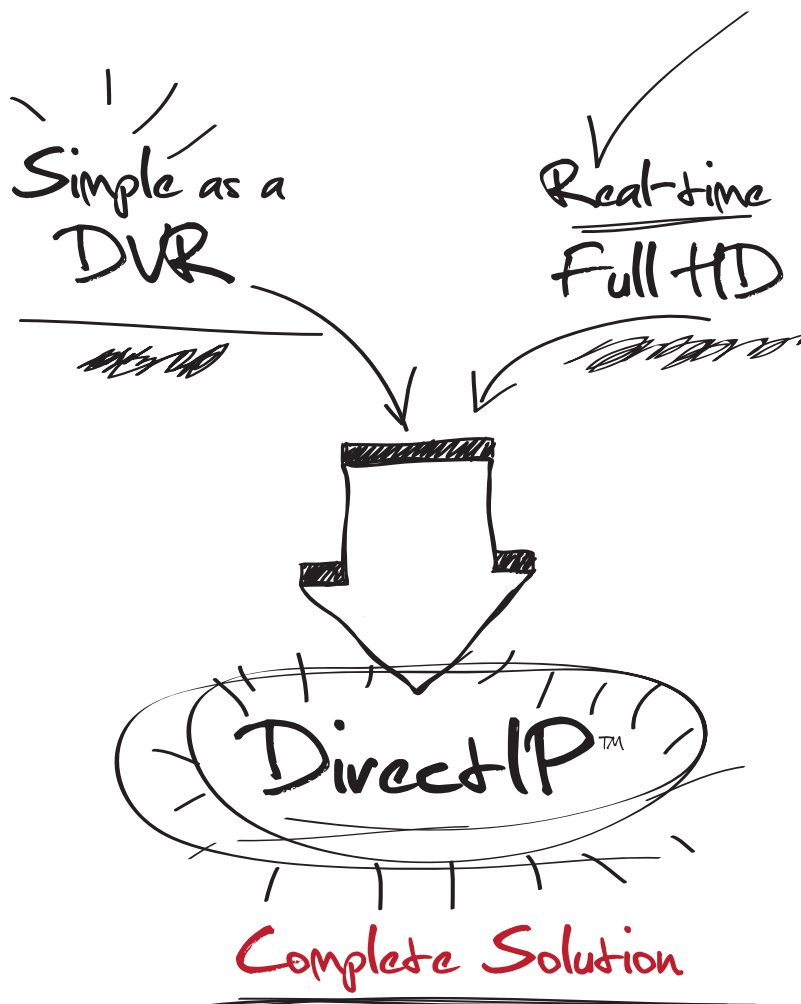
The simple and the most complete HD surveillance solution

Direct IP™

IDIS has been primarily responsible for the innovation of DVRs since 1997 and now IDIS is proud to introduce the next generation of HD surveillance solution platform, DirectIP. Unique to the industry, DirectIP is the easiest and the most complete HD surveillance solution platform available to the security market.

The primary goal of DirectIP is to provide customers with an HD surveillance solution platform which is easy to use, simple to install, and quick to configure through plug-and-play capability. DirectIP consists of IP cameras, NVRs, and VMS software, all designed to be optimized within a network.

DirectIP allows real-time monitoring without any degradation of image quality while simultaneously recording within networks. DirectIP is exclusive to the industry and ensures genuine compatibility, integration, and functionality as a complete one stop shop solution.



Direct IP™

ONVIF full member

DirectIP is a networked HD video surveillance solution platform with NVRs similar to traditional DVRs. DirectIP defines a set of protocols and operations among DirectIP devices as well as a set of methods to connect to DirectIP devices.



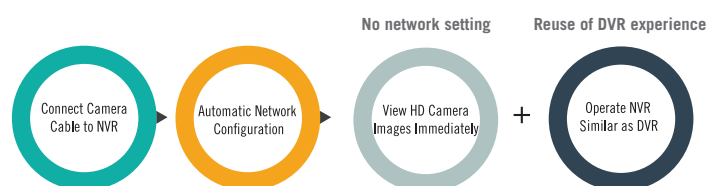
IP without the PC

DirectIP's „IP without the PC“ concept permits simple installation and configuration, allowing instant streaming once connected. Once connected to a network keyboard and mouse, DirectIP NVRs can set-up and handle DirectIP cameras without a PC.

Zero Configuration (Plug-and-Play)

DirectIP enables true plug-and-play installation, which eliminates the need for costly installation and integration support.

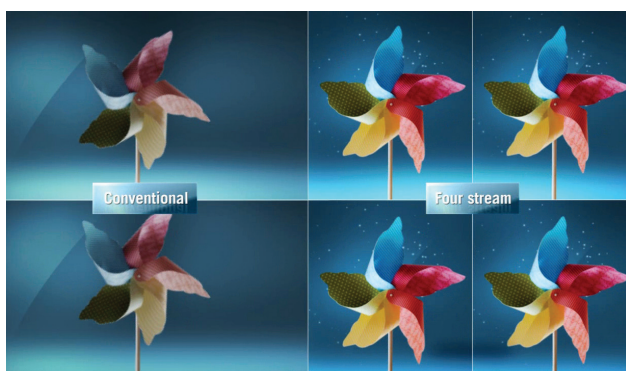
DirectIP enables true plug-and-play installation with IDIS's proprietary, automated set of protocols, including AutoIP, Multicast DNS, and DNS Service Directory techniques.



Real-time Live Monitoring and Recording with Full HD Resolution

DirectIP network solutions generate excellent network throughput, which can subsequently maintain stable HD quality video regardless of external network traffic. NVRs can support real-time surveillance and deliver enhanced features such as smart search and event management.

IDIS DirectIP solutions can record in HD (or higher) from multiple megapixel cameras direct to the NVR in real-time without degradation of quality, access, or system stability.

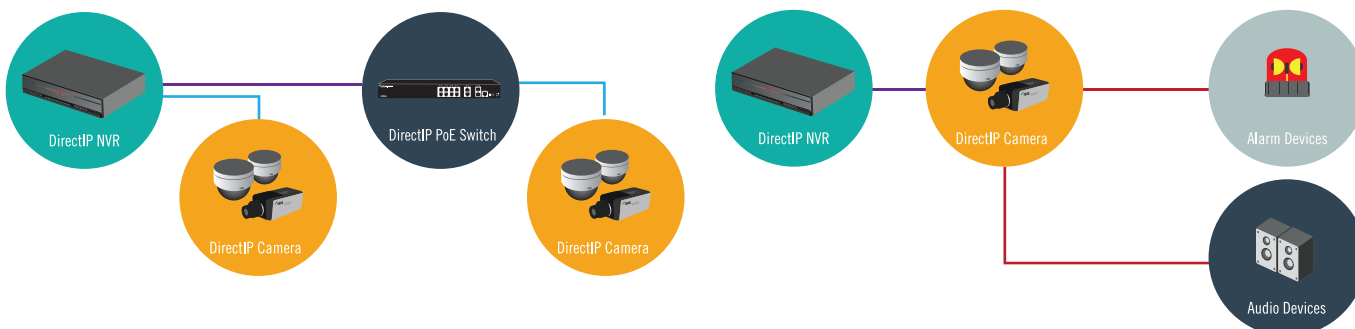


Multiple Independent Video Streams

DirectIP enables independent live monitoring, recording, and remote monitoring. Multiple independent video streams from cameras to NVRs allow local surveillance and recording with added smart features to control resolution, quality, and bit rate independently.

Easy Installation

DirectIP supports PoE cameras and powers them through the data cable line, removing the need for additional external cabling. In addition, DirectIP provides simple audio and alarm input/output (I/O) systems using a DirectIP camera with audio I/O and alarm I/O ports.



Pentaplex Processing

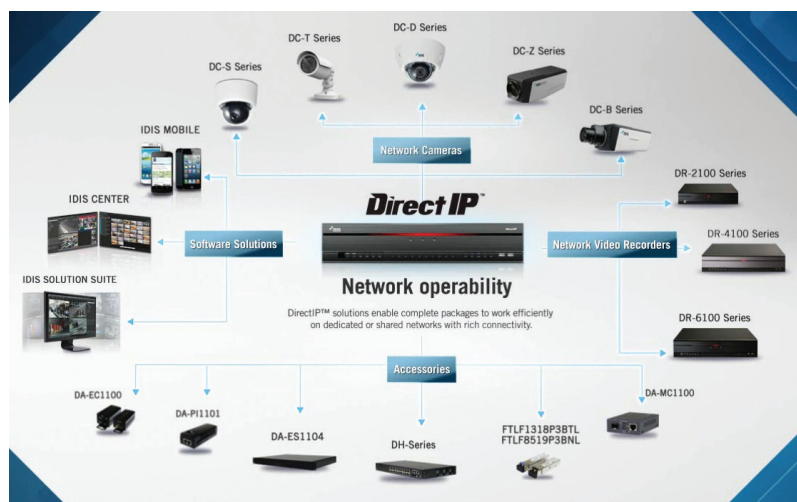
IDIS DirectIP NVRs can readily perform five operational processes simultaneously:

- Live-view
- Record
- Playback
- Remote access
- Backup of recorded audio / video

Complete Video Surveillance Solutions Suitable for a Wide Range of Applications

DirectIP enables complete packages to work efficiently on dedicated or shared networks with rich connectivity. These complete packages meet the demands of user applications from a single location to more complex multi-site locations.

IDIS VMS solutions provide unparalleled flexibility, control, and security with its intuitively designed GUI. Combined with web client and mobile apps, IDIS provides complete VMS solutions with remote connectivity.



Compatibility and Integration

IDIS Solution Suite, IDIS's versatile VMS, allows users to manage integrated security from both an NVR-based network security and existing DVR-based systems.

DirectIP is the best environmental interface for integration with existing sensors, audio, ATM/POS, storage devices, video sources, and recorders. In addition, DirectIP supports models of some third parties and ONVIF® cameras even if performance and functions are limited.



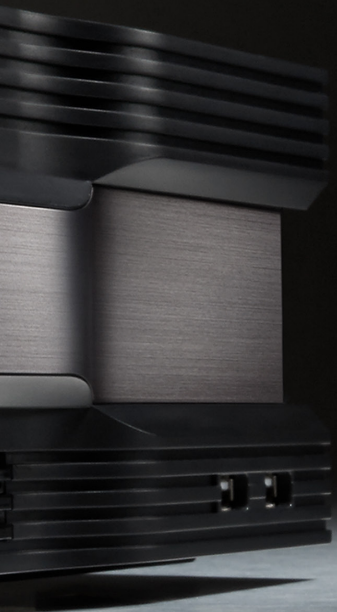


NETWORK VIDEO RECORDERS

High performance and reliability

Simply the best performance for your IP surveillance

Full megapixel IP camera support with efficient data processing and a high hardware specification ensures a smoother operation that guarantees the best performance of your IP solution. With DirectIP NVRs, the hardware is fully optimized for the stable performance of network devices, so you can realize a real-time live viewing and real-time recording network surveillance solution. DirectIP NVRs allow simultaneous functionality and operation, including live-view, record, playback, remote access, and backup of compressed audio and video.



IDIS NVR TECHNOLOGIES



Zero Configuration (Plug-and-Play)

DirectIP NVRs pack an array of advanced network technology which provide the industry's unique, true plug-and-play installation, which eliminates the need for costly installation and integration support.

DirectIP Protocols

DirectIP NVRs provide true plug-and-play installation with IDIS's proprietary, automated set of protocols, including AutoIP, Multicast DNS, and DNS Service Directory techniques.

FEN

IDIS FEN is an automated network configuration service which simplifies installation of networked surveillance systems. FEN enables users to Set-up and configure surveillance systems without knowledge of Network Address Translation routers on the network and their configurations. It ensures connections between video surveillance devices regardless of network environment.

IP without the PC

DirectIP's „IP without the PC“ concept permits simple installation and configuration, allowing instant streaming once connected. Once connected to a network keyboard and mouse, DirectIP NVRs can handle device configuration, digital video matrix, and a video wall display without any PC. Furthermore, DirectIP only allows minimal delay of about 300ms, which is similar to that of HD-SDI solutions and outpaces most IP surveillance solutions in the market.

Full HD Real-time Monitoring and Recording

DirectIP network solutions yield greater network throughput. Combined with IDIS's unique multi-streaming technology, DirectIP provides the highest quality of Full HD video surveillance, regardless external network traffic.

Quadruple Video Streams

DirectIP features quadruple stream technology to enhance its live monitoring quality. By allowing two separate streams for live monitoring (i.e. Live 1 for full screen and 2x2; Live 2 for 3x3, 4x4, and 6x6), DirectIP provides unrivalled quality of live monitoring that no other IP surveillance solution offers.

Enhanced Data Security

DirectIP features powerful data security technologies to effectively protect video data from possible fraud, damage, and modification attempts while recording as well as in the transmitting process.

Chained Fingerprint Technique

Chained fingerprinting allows effective tracking of data forgery by marking fingerprints on multimedia (video/audio) data recording. By matching fingerprints from original records, administrators can easily trace, search, delete, and alter data partially.

iBank

iBank is IDIS's proprietary multimedia file system and database architecture. Featuring the latest version of iBank file system, DirectIP NVRs provide effective and robust data recording, searching, and management as below.

- Restore and restructure the damaged area that contains index information
- Improve multi-channel video recording and searching performance
- Effective text searching function

Automated Time Sync

DirectIP NVRs provide automated time synchronization with their connected IP cameras using IDIS's own Tick Sync technology. Upon connection, DirectIP NVRs automatically calculate the time difference between multiple cameras and servers, and adjusts time information of recorded video into single, standard time.

Non-linear Time Shifting Recording (NLTSR)

With the NLTSR technique, DirectIP NVRs guarantee seamless video recording even under unstable network conditions. When a network fails, up to several minutes of video data will be instantly stored in the IP camera's internal buffer memory and then automatically transferred to the NVR after network recovery.

Overlapped Recording Search

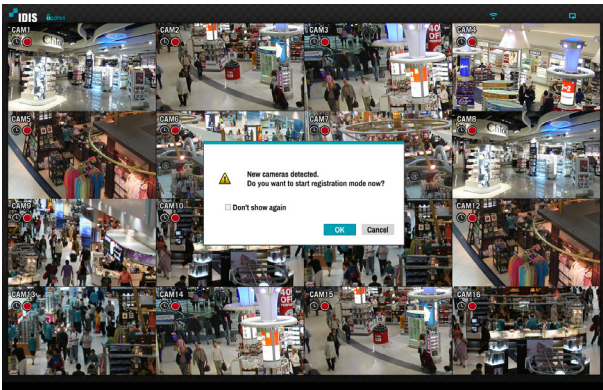
When a user changes a NVR system time to the past point, video data for the overlapped time period is to be recorded in a different segments. This enables video data for the overlapped time searched in a different time set and prevents any possible loss of video data or discrepancy on a time-based search.

PoE

DirectIP NVRs support a seamless power supply over ethernet cable without any degrading network performance and reach. Combined with DirectIP's true plug-and-play feature, PoE enables instant identification and activation of IP cameras upon their physical connection. All DirectIP NVRs comply both with IEEE802.3af and IEEE802.3af standard, which makes them capable of powering most IP cameras as well as high power-consuming devices such as PTZ domes.

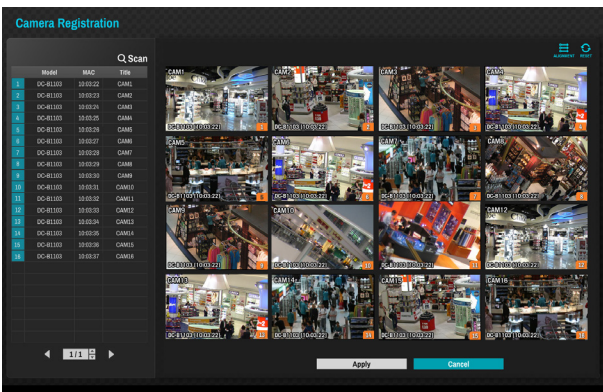
Easy Firmware Update

Users can easily update the DirectIP NVR and camera's firmware locally or remotely. By using a USB memory stick which has new firmware, users can update the DirectIP NVR and camera's firmware via the DirectIP NVR without a PC. In addition, the DirectIP NVR and camera's firmware can be updated remotely using IDIS Center on Windows PC.

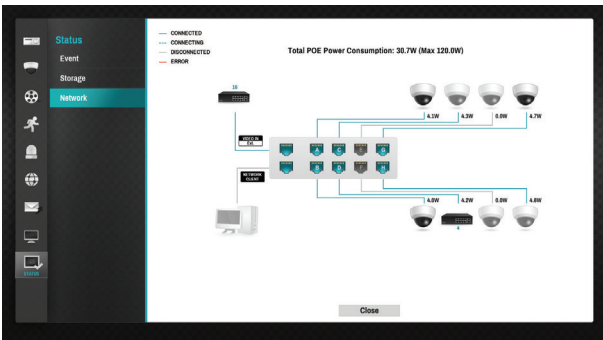


Camera Registration Mode

A message will appear on the screen when a new camera is detected. Select OK to enter Camera Registration Mode.



As the DirectIP camera is detected automatically, it can be simply registered in the NVR in Camera Register Mode. Even if the network camera does not set the IP address, it is possible to scan and register the camera in the NVR just by connecting it to the Video-In port of the NVR. You can scan, search, and register cameras that were not detected automatically including third-party cameras.



Network Status Information

The Network Status window provides a complete overview of the network status in real-time.

Network Status shows the camera connection status, LAN port link status, power consumption, number of connected clients, and network connection info.

Camera Connection	indicates the camera is connected. indicates the camera is not connected.
Network Switch	indicates a network switch is connected to the LAN port and shows how many cameras are connected.
LAN Port Link	indicates a camera or a network switch is connected. indicates neither is connected.
Power Consumption	If receiving power from the NVR, the actual amount of power consumed by each camera is indicated under each camera icon. Total power consumption is shown at the top of the screen in the following format: [Total POE power Consumption: 30.7W (Max 120.0W)] Ports A through H in PoE-enabled products support PoE. (VIDEO IN Ext.) and (NETWORK CLIENT) ports do not support PoE.
Number of Connected Clients	This indicates whether there are clients connected to the NVR via an external network and how many clients are connected. indicates at least one client is connected. indicates no client is connected.
Network Connection Info	This indicates network connection statuses (connected, connecting, disconnected, and connection error) using following the lines: — CONNECTED - - - - - CONNECTING — DISCONNECTED — ERROR

NVR SELECTION



DR-8364

Model		Max. Incoming Throughput	Recording	Live	Video Inputs	Client	Video In	SATA	eSATA	RAID TYPE	Camera Power
DR-2204P		84Mbps	32Mbps, 120ips @ Full HD	120ips	4ch IP	1G	4F	2	1	-	4ch
DR-2208P		116Mbps	64Mbps, 240ips @ Full HD	240ips	8ch IP	1G	8F + 1G	2	1	-	8ch
DR-2216P		116Mbps	64Mbps, 480ips @ Full HD	480ips	16ch IP	1G	8F + 1G	2	1	-	8ch
DR-3104P		84Mbps	32Mbps, 120ips @ Full HD	120ips	4ch IP	1G	4F + 1G	4	1	-	4ch
DR-3108P		116Mbps	64Mbps, 240ips @ Full HD	240ips	8ch IP	1G	8F + 1G	4	1	-	8ch
DR-3116PS		116Mbps	64Mbps, 480ips @ Full HD	480ips	16ch IP	1G	16F + 1G	4	1	-	16ch
DR-4208P		170Mbps	80Mbps, 240ips @ Full HD	240ips	8ch IP	1G	8G + 1G	4	2	1	8ch
DR-4216P		230Mbps	130Mbps, 480ips @ Full HD	480ips	16ch IP	1G	8G + 1G	4	2	1	8ch
DR-6216P		260Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	8G + 1G	6	4	1	8ch
DR-6216P-S		260Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	8G + 1G	6	4	1	8ch

Model		Max. Incoming Throughput	Recording	Live	Video Inputs	Client	Video In	SATA	eSATA	RAID TYPE	Camera Power
DR-6232P		330Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	8G + 1G	6	4	1	8ch
DR-6232P-S		330Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	8G + 1G	6	4	1	8ch
DR-6216PS		260Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	16F + 1G	6	4	1	16ch
DR-6216PS-S		260Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	16F + 1G	6	4	1	16ch
DR-6232PS		330Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	16F + 1G	6	4	1	16ch
DR-6232PS-S		330Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	16F + 1G	6	4	1	16ch
DR-6308P		230Mbps	100Mbps 240ips@Full HD	240ips	8ch IP	1G	8G + 1G	6	4	1	8ch
DR-6308P-S		230Mbps	100Mbps 240ips@Full HD	240ips	8ch IP	1G	8G + 1G	6	4	1	8ch
DR-6316PS		300Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	16G + 1G	6	4	1	16ch
DR-6316PS-S		300Mbps	160Mbps, 480ips @ Full HD	480ips	16ch IP	1G	16G + 1G	6	4	1	16ch
DR-6332PS		350Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	16G + 1G	6	4	1	16ch
DR-6332PS-S		350Mbps	230Mbps, 960ips @ Full HD	960ips	32ch IP	1G	16G + 1G	6	4	1	16ch
DR-8364		900Mbps	400Mbps, 1920ips @ Full HD	1920ips	64ch IP	1G	3G + 2G	8	4	1, 5, 10	-
DR-8364D		900Mbps	400Mbps, 1920ips @ Full HD	1920ips	64ch IP	1G	3G + 2G	8	4	1, 5, 10	-

DirectIP 2200 Series 4 Channel Full HD Recorder

DR-2204P

- Total incoming throughput 84Mbps
- Up to 120ips Full HD real-time recording
- Up to 120ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 4 channel PoE switch
- Expandable up to 36TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

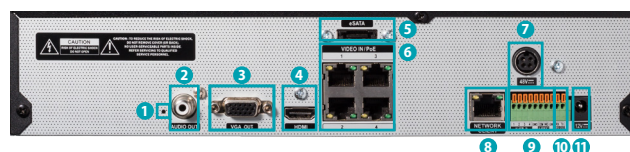
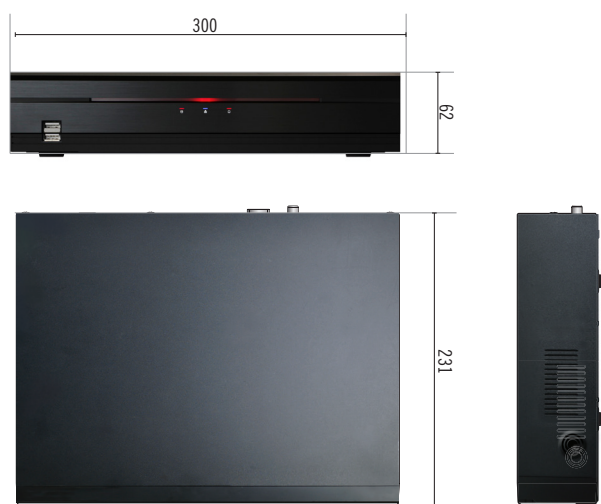


SPECIFICATIONS

VIDEO	
Video Inputs	4 IP Channels
Max. Incoming Throughput	84Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 120ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	32Mbps, 120ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 2, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	36TB = 6TB x (2 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 4
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 50W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)
Alarm Reset In	-
Serial Interface	RS232 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3kg (5.1lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	DC 12V 2.1A (for NVR), DC48V 1.08A (for PSE)
Power Consumption	25.2W (for NVR), Max. 52W (for PSE)
Approvals	FCC, CE, KC, PSE

DIMENSIONS

(Unit - mm)



- | | |
|------------------------|--------------------------|
| 1 Factory Reset Button | 7 Power In Port (48V) |
| 2 Audio Port | 8 Network Port |
| 3 VGA Out Port | 9 Alarm Connection Ports |
| 4 HDMI Out Port | 10 RS-232 Port |
| 5 eSATA Port | 11 Power In Port (12V) |
| 6 Video In / PoE Ports | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-2208P

- Total incoming throughput 116Mbps
- Up to 240ips Full HD real-time recording
- Up to 240ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel PoE switch
- Expandable up to 36TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

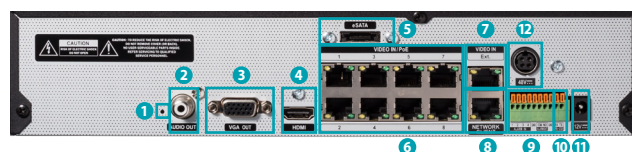


SPECIFICATIONS

VIDEO	
Video Inputs	8 IP Channels
Max. Incoming Throughput	116Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	64Mbps, 240ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 2, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	36TB = 6TB x (2 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	-
Serial Interface	RS232 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3kg (5.1lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	DC 12V 2.1A (for NVR), DC48V 1.08A (for PSE)
Power Consumption	Max. 25.2W (for NVR), Max. 52W (for PSE)
Approvals	FCC, CE, KC, PSE

DIMENSIONS

(Unit - mm)



- | | |
|------------------------|--------------------------|
| 1 Factory Reset Button | 7 Video In / Ext. Port |
| 2 Audio Port | 8 Network Port |
| 3 VGA Out Port | 9 Alarm Connection Ports |
| 4 HDMI Out Port | 10 RS-232 Port |
| 5 eSATA Port | 11 Power In Port (12V) |
| 6 Video In / PoE Ports | 12 Power In Port (48V) |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-2216P

- Total incoming throughput 116Mbps
- Up to 480ips Full HD real-time recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel PoE switch and expandable up to 16 channel using DirectIP Gigabit PoE switch
- Expandable up to 36TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

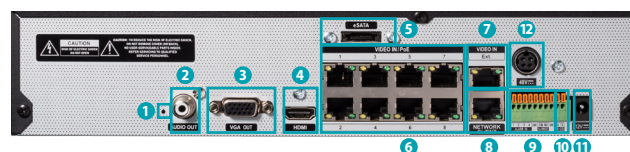
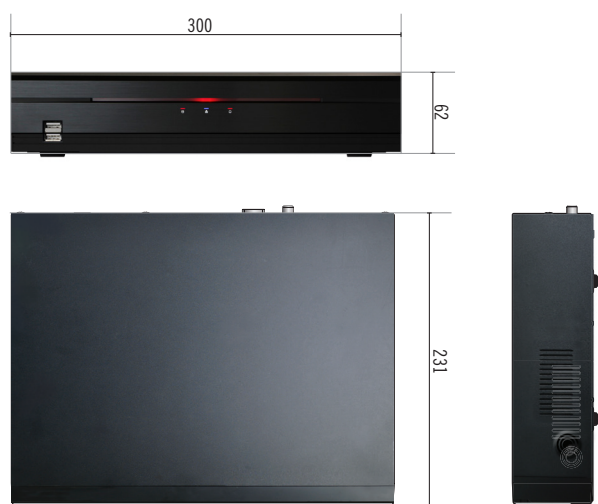


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	116Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	64Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 2, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	36TB = 6TB x (2 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	-
Serial Interface	RS232 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3kg (5.1lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	DC 12V 2.1A (for NVR), DC48V 1.08A (for PSE)
Power Consumption	Max. 25.2W (for NVR), Max. 52W (for PSE)
Approvals	FCC, CE, KC, PSE

DIMENSIONS

(Unit - mm)



- | | |
|------------------------|--------------------------|
| 1 Factory Reset Button | 7 Video In / Ext. Port |
| 2 Audio Port | 8 Network Port |
| 3 VGA Out Port | 9 Alarm Connection Ports |
| 4 HDMI Out Port | 10 RS-232 Port |
| 5 eSATA Port | 11 Power In Port (12V) |
| 6 Video In / PoE Ports | 12 Power In Port (48V) |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DirectIP 3100 Series 4 Channel Full HD Recorder

DR-3104P

- Total incoming throughput 84Mbps
- Up to 120ips Full HD real-time recording
- Up to 120ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 4 channel PoE switch
- Expandable up to 48TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

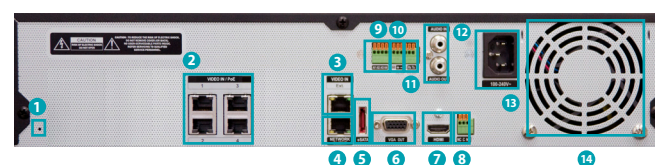
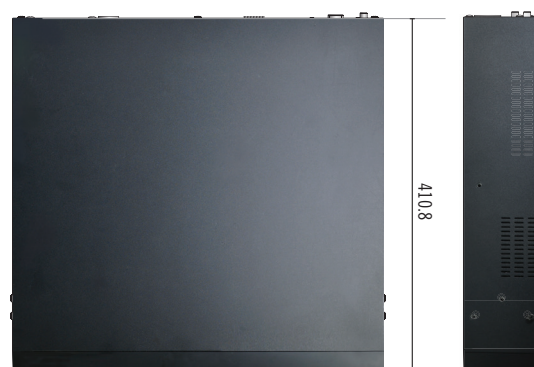
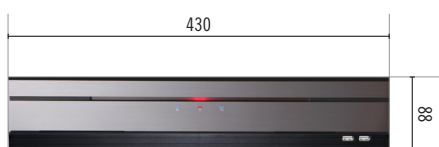


SPECIFICATIONS

VIDEO	
Video Inputs	4 IP Channels
Max. Incoming Throughput	84Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 120ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	32Mbps, 120ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	48TB = 6TB x (4 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 4 + Gigabit Ethernet (Ext) x 1
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.2 ~ 0.6A
Power Consumption	Max. 200W (With 4 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|------------------------|------------------------|------------------|
| 1 Factory Reset Button | 7 HDMI Out Port | 13 Power In Port |
| 2 Video In / PoE Ports | 8 Alarm Connection Out | 14 Vent |
| 3 Video In / Ext. Port | 9 Alarm Connection In | |
| 4 Network Port | 10 RS-485 Port | |
| 5 eSATA Port | 11 RS-232 Port | |
| 6 VGA Out Port | 12 Audio Ports | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-3108P

- Total incoming throughput 116Mbps
- Up to 240ips Full HD real-time recording
- Up to 240ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel PoE switch
- Expandable up to 48TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

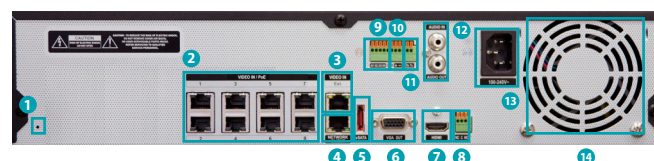
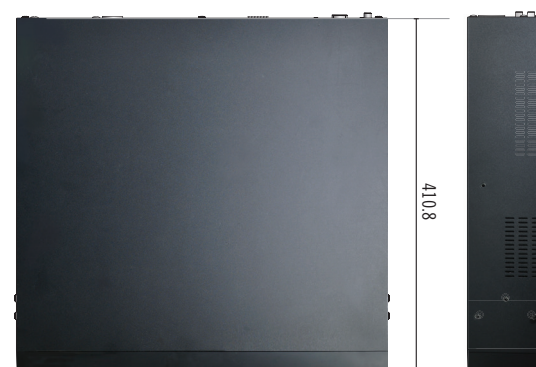
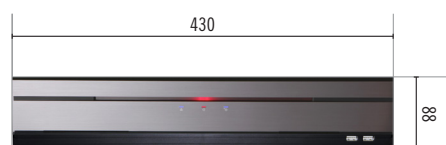


SPECIFICATIONS

VIDEO	
Video Inputs	8 IP Channels
Max. Incoming Throughput	116Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	64Mbps, 240ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	48TB = 6TB x (4 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.2 ~ 0.6A
Power Consumption	Max. 200W (With 4 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|------------------------|------------------------|------------------|
| 1 Factory Reset Button | 7 HDMI Out Port | 13 Power In Port |
| 2 Video In / PoE Ports | 8 Alarm Connection Out | 14 Vent |
| 3 Video In / Ext. Port | 9 Alarm Connection In | |
| 4 Network Port | 10 RS-485 Port | |
| 5 eSATA Port | 11 RS-232 Port | |
| 6 VGA Out Port | 12 Audio Ports | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-3116PS

- Total incoming throughput 116Mbps
- Up to 480ips Full HD recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch
- Expandable up to 48TB using eSATA storage
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

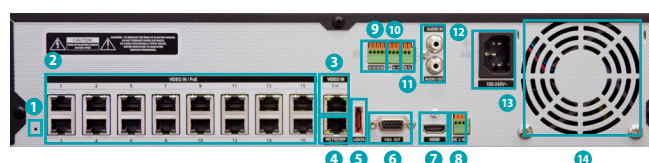
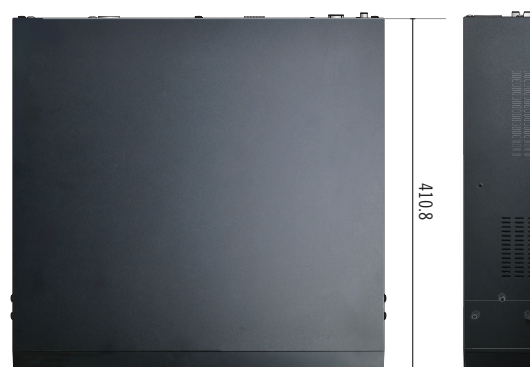
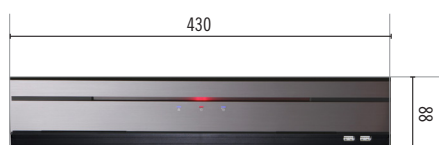


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	116Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	64Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Modes	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 6TB Capacity for Each Disk)
Total Capacity	48TB = 6TB x (4 + 1 x 4)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	20Mbps / 50Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.2 ~ 0.6A
Power Consumption	Max. 200W (With 4 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|------------------------|------------------------|------------------|
| 1 Factory Reset Button | 7 HDMI Out Port | 13 Power In Port |
| 2 Video In / PoE Ports | 8 Alarm Connection Out | 14 Vent |
| 3 Video In / Ext. Port | 9 Alarm Connection In | |
| 4 Network Port | 10 RS-485 Port | |
| 5 eSATA Port | 11 RS-232 Port | |
| 6 VGA Out Port | 12 Audio Ports | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DirectIP 4200 Series 8 Channel Full HD Recorder

DR-4208P

- Total incoming throughput 170Mbps
- Up to 240ips Full HD real-time recording
- Up to 240ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch
- Expandable up to 72TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

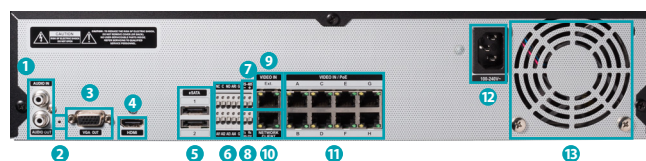
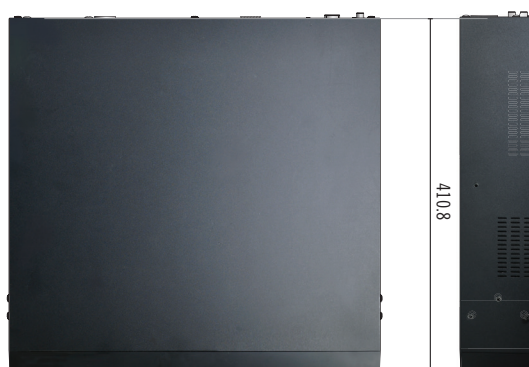


SPECIFICATIONS

VIDEO	
Video Inputs	8 IP Channels
Max. Incoming Throughput	170Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	80Mbps, 240ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 2 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	72TB = 6TB x 4 (Internal) + 4 x 2 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 4 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-4216P

- Total incoming throughput 230Mbps
- Up to 720ips Full HD real-time recording
- Up to 720ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch and expandable up to 16 channel using DirectIP Gigabit PoE switch
- Expandable up to 72TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

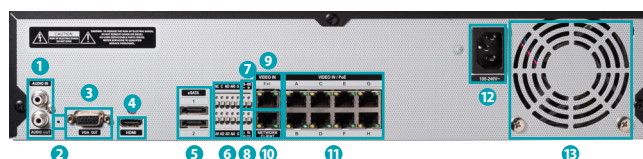
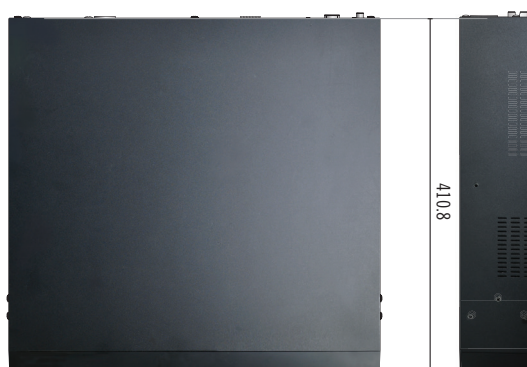


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	230Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	130Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 2 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	72TB = 6TB x 4 (Internal) + 4 x 2 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 4 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6216P

- Total incoming throughput 260Mbps
- Up to 480ips Full HD real-time recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch and expandable up to 16 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

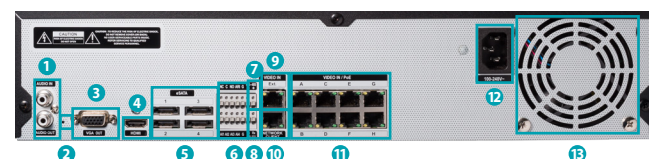


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	260Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6216P-S

- Total incoming throughput 260Mbps
- Up to 480ips Full HD real-time recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch and expandable up to 16 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

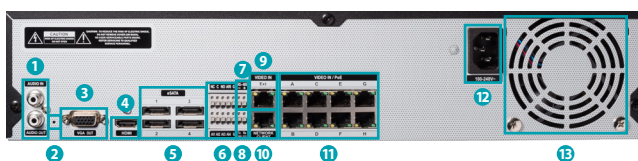
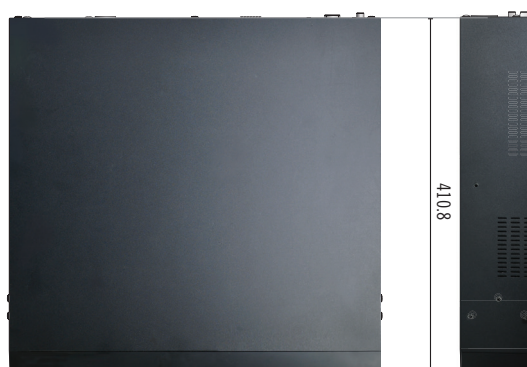


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	260Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, CB, UL

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6232P

- Total incoming throughput 330Mbps
- Up to 960ips Full HD real-time recording
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

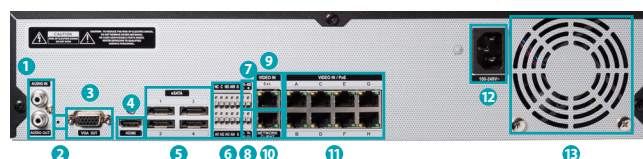
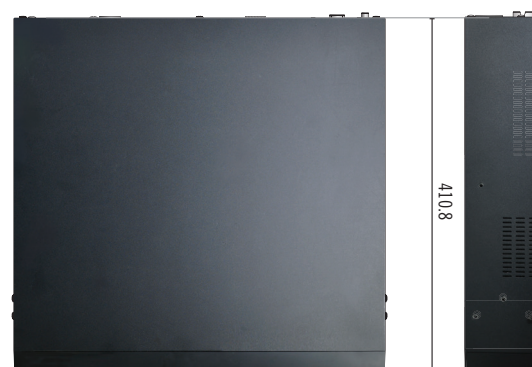


SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	330Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6232P-S

- Total incoming throughput 330Mbps
- Up to 960ips Full HD real-time recording
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel Gigabit PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

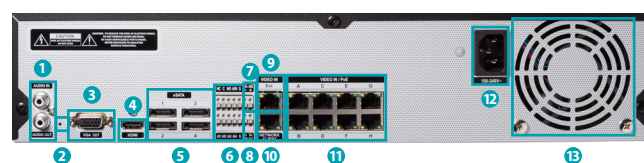
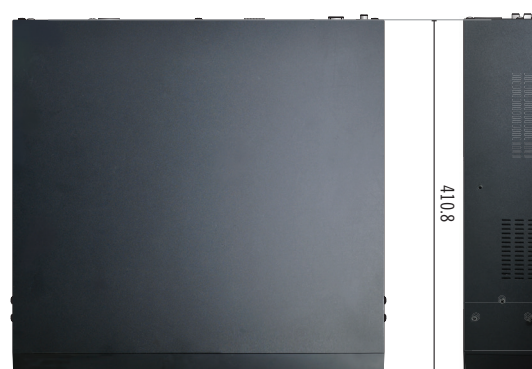


SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	330Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 9
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, CB, UL

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|-------------------------|---------|
| 1 Audio Ports | 7 RS-485 Port | 13 Vent |
| 2 Factory Reset Button | 8 RS-232 Port | |
| 3 VGA Out Port | 9 Network Port | |
| 4 HDMI Out Port | 10 Video In / Ext. Port | |
| 5 eSATA Ports | 11 Video In / PoE Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6216PS

- Total incoming throughput 260Mbps
- Up to 480ips Full HD real-time recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

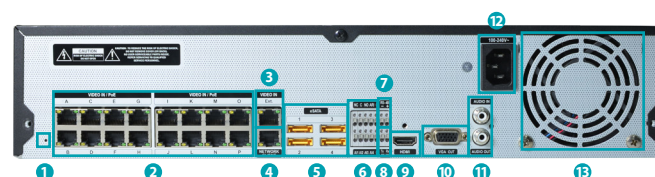
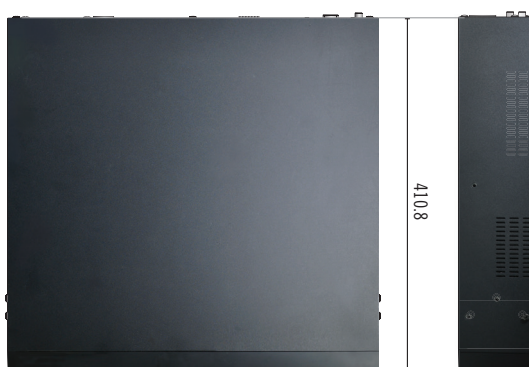


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	260Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|------------------|---------|
| 1 Factory Reset Button | 7 RS-485 Port | 13 Vent |
| 2 Video In / PoE Ports | 8 RS-232 Port | |
| 3 Video In / Ext. Port | 9 HDMI Out Port | |
| 4 Network Port | 10 VGA Out Port | |
| 5 eSATA Ports | 11 Audio Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6216PS-S

- Total incoming throughput 260Mbps
- Up to 480ips Full HD real-time recording
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

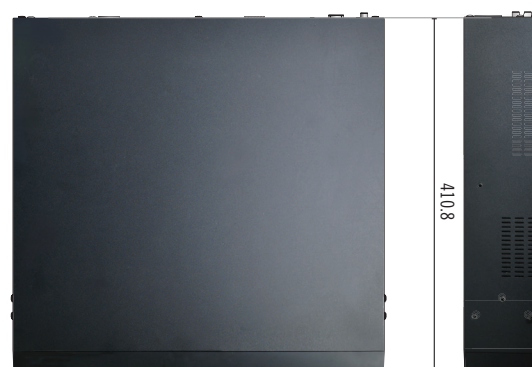


SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	260Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, CB, UL

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|------------------|---------|
| 1 Factory Reset Button | 7 RS-485 Port | 13 Vent |
| 2 Video In / PoE Ports | 8 RS-232 Port | |
| 3 Video In / Ext. Port | 9 HDMI Out Port | |
| 4 Network Port | 10 VGA Out Port | |
| 5 eSATA Ports | 11 Audio Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6232PS

- Total incoming throughput 330Mbps
- Up to 960ips Full HD real-time recording
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

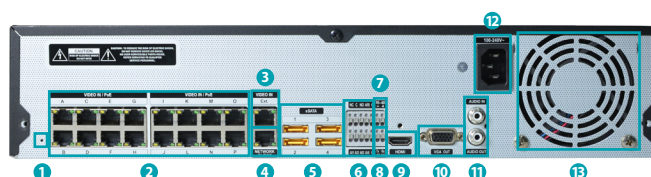
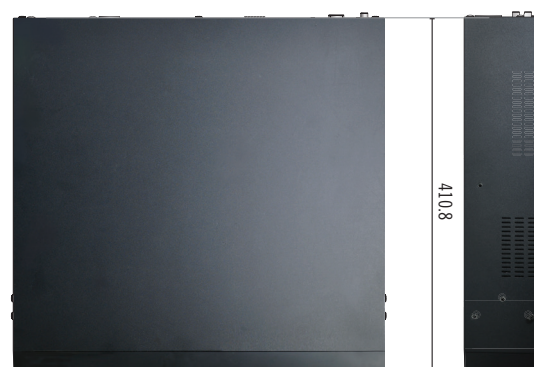


SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	330Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|------------------|---------|
| 1 Factory Reset Button | 7 RS-485 Port | 13 Vent |
| 2 Video In / PoE Ports | 8 RS-232 Port | |
| 3 Video In / Ext. Port | 9 HDMI Out Port | |
| 4 Network Port | 10 VGA Out Port | |
| 5 eSATA Ports | 11 Audio Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6232PS-S

- Total incoming throughput 330Mbps
- Up to 960ips Full HD real-time recording
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

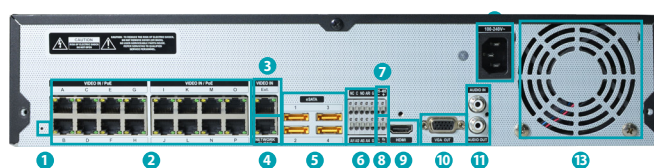
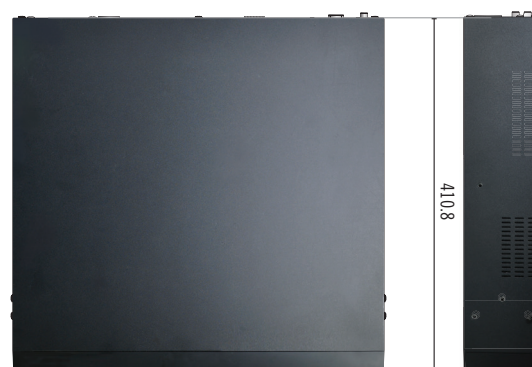


SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	330Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	4ch Full HD Synchronous Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Fast Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, CE, CB, UL

DIMENSIONS

(Unit - mm)



- | | | |
|--------------------------|------------------|---------|
| 1 Factory Reset Button | 7 RS-485 Port | 13 Vent |
| 2 Video In / PoE Ports | 8 RS-232 Port | |
| 3 Video In / Ext. Port | 9 HDMI Out Port | |
| 4 Network Port | 10 VGA Out Port | |
| 5 eSATA Ports | 11 Audio Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DirectIP 6300 Series 8 Channel Full HD Recorder

DR-6308P

- Total incoming throughput 230Mbps
- Up to 240ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 240ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



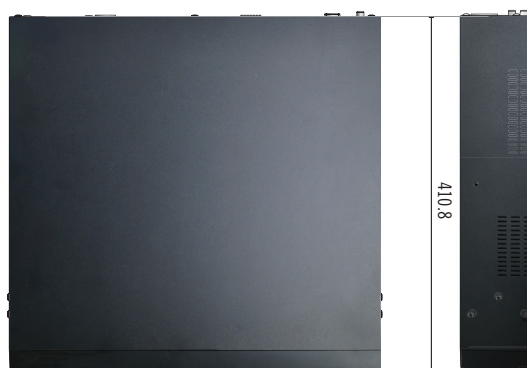
SPECIFICATIONS

VIDEO	
Video Inputs	8 IP Channels
Max. Incoming Throughput	230Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	100 Mbps, 240ips @ Full HD, 120ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	8ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



(Unit - mm)



- 1 Video In / PoE Ports
- 2 Video In / Ext. Port
- 3 eSATA Ports
- 4 Alarm Connection Ports
- 5 RS-232 Port
- 6 HDMI
- 7 VGA Out Port
- 8 Audio Ports
- 9 Power In Port
- 10 Vent

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6308P-S

- Total incoming throughput 230Mbps
- Up to 240ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 240ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 8 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

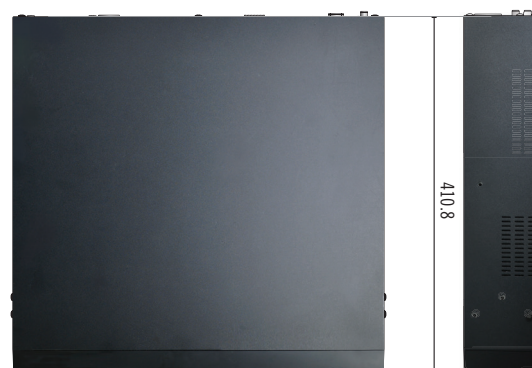


SPECIFICATIONS

VIDEO	
Video Inputs	8 IP Channels
Max. Incoming Throughput	230Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	100Mbps, 240ips @ Full HD, 120ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	8ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal)) + 4 x 4 (External)
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS

(Unit - mm)



- | | |
|--------------------------|-----------------|
| 1 Video In / PoE Ports | 7 VGA Out Port |
| 2 Video In / Ext. Port | 8 Audio Ports |
| 3 eSATA Ports | 9 Power In Port |
| 4 Alarm Connection Ports | 10 Vent |
| 5 RS-232 Port | |
| 6 HDMI | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6316PS

- Total incoming throughput 300Mbps
- Up to 480ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



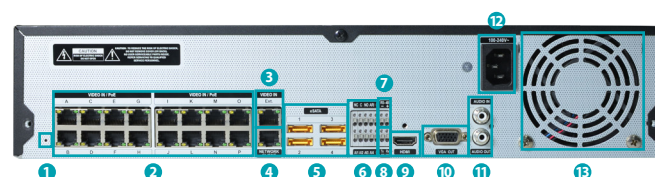
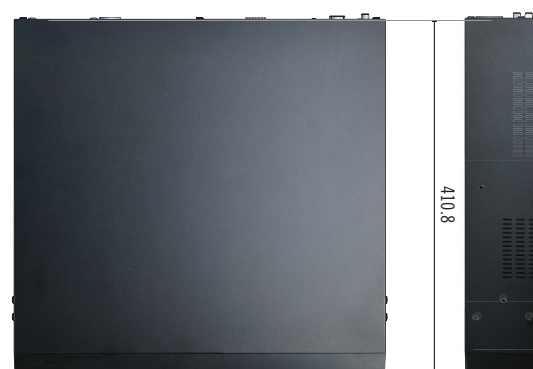
SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	300Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD, 240 ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x 6 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



(Unit - mm)



- 1 Factory Reset Button
- 2 Video In / PoE Ports
- 3 Video In / Ext. Port
- 4 Network Port
- 5 eSATA Ports
- 6 Alarm Connection Ports
- 7 RS-485 Port
- 8 RS-232 Port
- 9 HDMI Out Port
- 10 VGA Out Port
- 11 Audio Ports
- 12 Power In Port
- 13 Vent

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6316PS-S

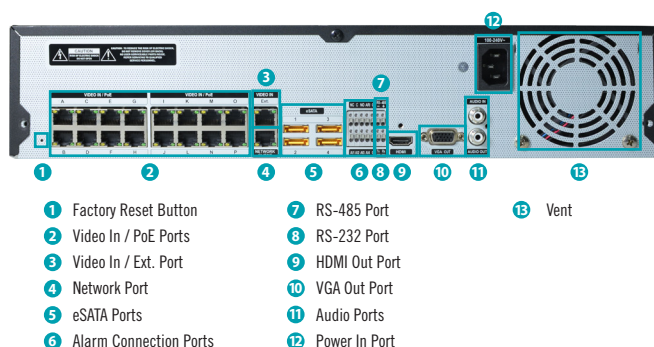
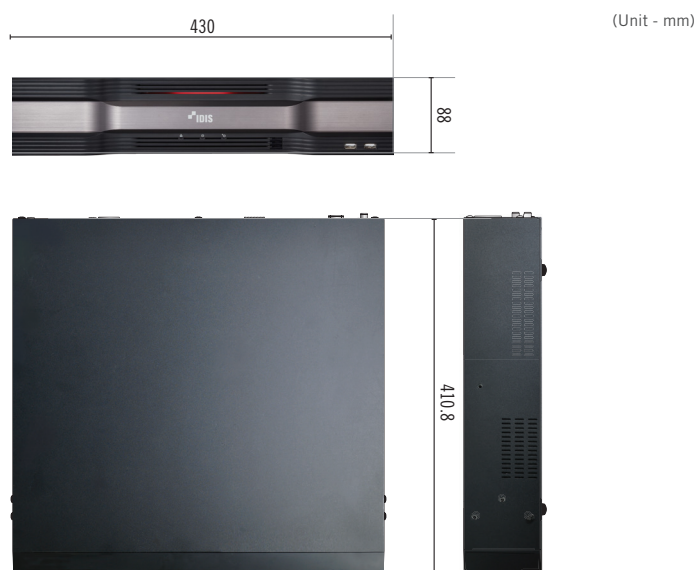
- Total incoming throughput 300Mbps
- Up to 480ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 480ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



SPECIFICATIONS

VIDEO	
Video Inputs	16 IP Channels
Max. Incoming Throughput	300Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	160Mbps, 480ips @ Full HD, 240 ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal)) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



ACCESSORIES (OPTIONAL)



DirectIP 6300 Series 32 Channel Full HD Recorder

DR-6332PS

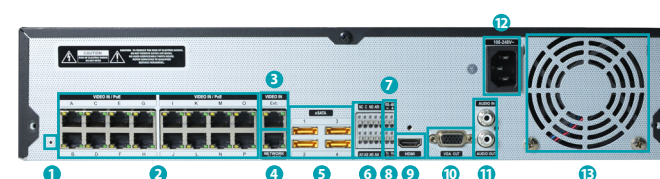
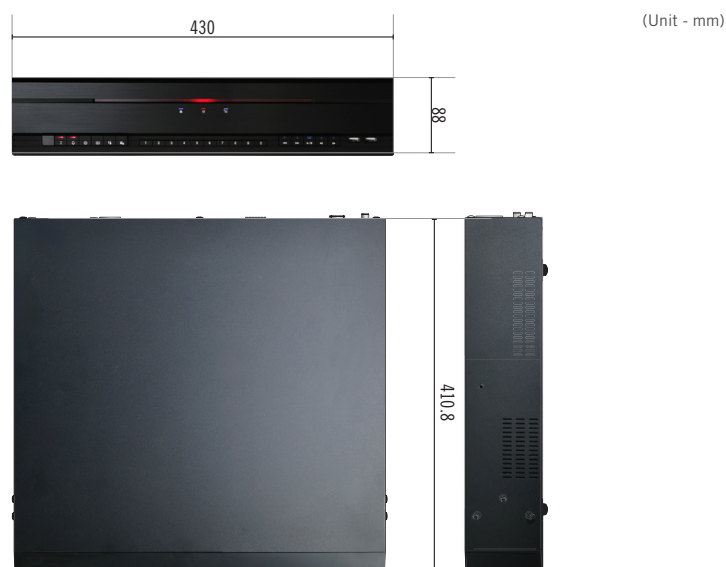
- Total incoming throughput 350Mbps
- Up to 960ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	350Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD, 240ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal)) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Front Buttons, Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



- | | | |
|--------------------------|------------------|---------|
| 1 Factory Reset Button | 7 RS-485 Port | 13 Vent |
| 2 Video In / PoE Ports | 8 RS-232 Port | |
| 3 Video In / Ext. Port | 9 HDMI Out Port | |
| 4 Network Port | 10 VGA Out Port | |
| 5 eSATA Ports | 11 Audio Ports | |
| 6 Alarm Connection Ports | 12 Power In Port | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-6332PS-S

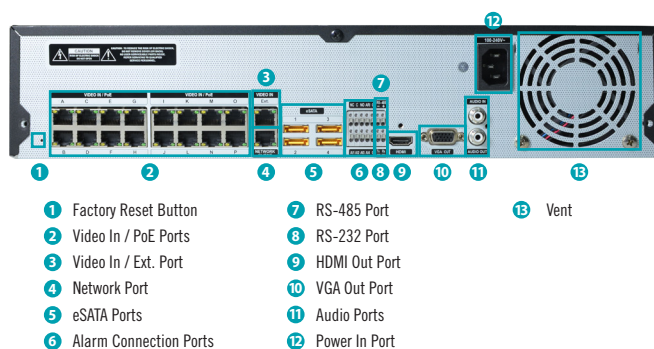
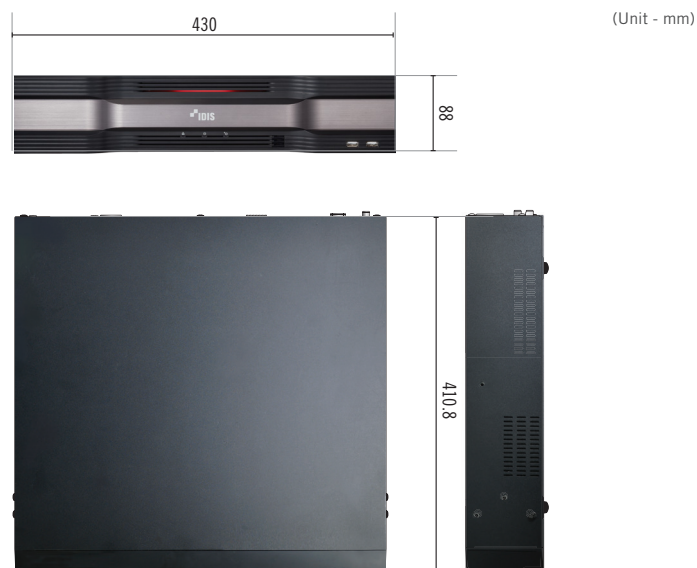
- Total incoming throughput 350Mbps
- Up to 960ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 960ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Built-in 16 channel PoE switch and expandable up to 32 channel using DirectIP Gigabit PoE switch
- Expandable up to 132TB using eSATA storage
- Supports RAID 1
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	350Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 960ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	230Mbps, 960ips @ Full HD, 240ips @ 4K (UHD)
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 6, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1 Supported
Total Capacity	132TB = 6TB x (6 (Internal)) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1
Transmission Speed	50Mbps / 100Mbps (BRP Mode)
Camera Power	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 410.8mm (16.9" x 3.5" x 16.2")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 3.0 - 1.5A
Power Consumption	Max. 200W (With 6 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-8364

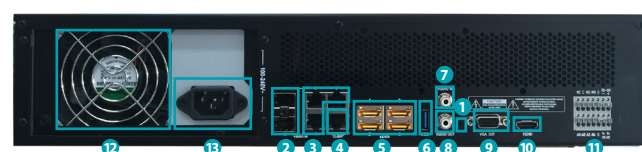
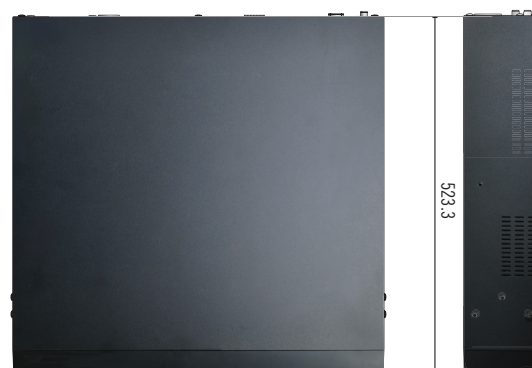
- Total incoming throughput 900Mbps
- Up to 1920ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 1920ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Expandable up to 144TB using eSATA storage
- Supports RAID 1, 5, 10
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)



SPECIFICATIONS

VIDEO	
Video Inputs	64 IP Channels
Max. Incoming Throughput	900Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 1920ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	400Mbps, 1920ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.264, H.265
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 8, eSATA x 4 (Up to 6TB Capacity for Each Disk), RAID 1, 5, 10 Supported
Total Capacity	144TB = 6TB x 8 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2
Transmission Speed	400Mbps / 500Mbps (BRP Mode)
Camera Power	-
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 64 / 64 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")
Unit Weight	9.9kg (21.8lb) (Without HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0A
Power Consumption	120W (With 8 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS



- | | | |
|------------------------|---------------------------|------------------|
| 1 Factory Reset Button | 7 Audio In | 13 Power In Port |
| 2 Video In SFP Slots | 8 Audio Out | |
| 3 Video In RJ45 | 9 VGA Out Port | |
| 4 Network Port | 10 HDMI | |
| 5 eSATA Ports | 11 Alarm Connection Ports | |
| 6 USB 3.0 | 12 Vent | |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

DR-8364D

- Total incoming throughput 900Mbps
- Up to 1920ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 1920ips live display
- Easy to install, set-up, and play with DirectIP cameras
- Expandable up to 144TB using eSATA storage
- Supports RAID 1, 5, 10
- Supports redundant power
- Supports one click network configuration through FEN service
- Supports third-party cameras (Axis, Panasonic, ONVIF)

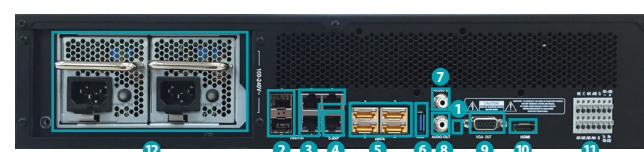
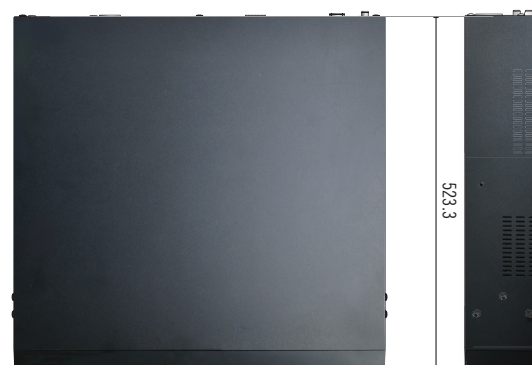
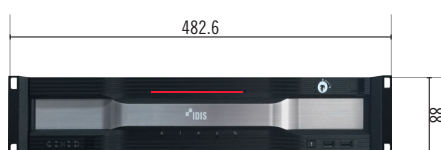


SPECIFICATIONS

VIDEO	
Video Inputs	64 IP Channels
Max. Incoming Throughput	900Mbps
Supported Camera	DirectIP, Axis, Panasonic, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 1920ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	400Mbps, 1920ips @ Full HD
Recording Resolution	Up to 8MP (Depending on IP Camera)
Compression	H.265, H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss
PLAYBACK	
Performance	16ch Full HD Synchronous Playback, 4ch 4K Playback
Search Mode	Time-lapse, Event Log, Thumbnail, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 8, eSATA x 4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 10 Supported
Total Capacity	144TB = 6TB x 8 (Internal) + 4 x 4 (External))
NETWORK	
Client Connection	Gigabit Ethernet (Client) x 1
Video In Connection	Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2
Transmission Speed	400Mbps / 500Mbps (BRP Mode)
Camera Power	-
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf) .MP4), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 64 / 64 (Depending on IP Camera)
Alarm In / Out	Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera)
Alarm Reset In	1
Serial Interface	RS232 (Terminal Block), RS485 (Terminal Block)
USB	USB 2.0 x 2, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6")
Unit Weight	9.9kg (21.8lb) (Without HDD)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 2.0 - 1.0A (Redundant Power)
Power Consumption	120W (With 8 HDDs)
Approvals	FCC, UL, CE, CB, KC

DIMENSIONS

(Unit - mm)



- | | |
|------------------------|---------------------------|
| 1 Factory Reset Button | 7 Audio In |
| 2 Video In SFP Slots | 8 Audio Out |
| 3 Video In RJ45 | 9 VGA Out Port |
| 4 Network Port | 10 HDMI |
| 5 eSATA Ports | 11 Alarm Connection Ports |
| 6 USB 3.0 | 12 Power In Port |

ACCESSORIES (OPTIONAL)



DH-2212PF



DA-ES1104

NETWORK CAMERAS

High resolution network cameras

Quadruple video streaming for real-time IP surveillance

DirectIP network cameras provide high resolution image quality using a megapixel image sensor and seamless images by quadruple multimedia data streaming technology. Once you install and connect DirectIP network cameras and NVRs, the system will automatically display live video without any configuration. With a wide range of cameras available, you can find a network camera to meet your surveillance and environmental needs.

ridis



CAMERA SELECTION

	Model		Max Resolution	Image Sensor	Lens	TDN / WDR		IR LED	Audio In / Out	Alarm In / Out	Outdoor Ready	Power Source
Box	DC-B1101		1280 x 720	1/2.7" CMOS	Optional (C/CS Mount)	-	-	-	-	-	-	12VDC, PoE
	DC-B1103		1280 x 720	1/2.7" CMOS	Optional (C/CS Mount)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-B1203		1920 x 1080	1/2.7" CMOS	Optional (C/CS Mount)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-B1203X		1920 x 1080	1/2.8" CMOS	Optional (C/CS Mount)	Yes (ICR)	WDR	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-B1303		2304 x 1296	1/3" CMOS	Optional (C/CS Mount)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-B1803		3840 x 2160	1/2.3" CMOS	Optional (C/CS Mount)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
Fixed-focal Dome	DC-F1111A		1280 x 720	1/4" CMOS	Fixed-focal (f=2.8mm)	-	-	-	-	-	-	PoE
	DC-D1111		1280 x 720	1/2.7" CMOS	Fixed-focal (f=4.0mm)	-	-	-	-	-	-	12VDC, PoE
	DC-F1211(A)		1920 x 1080	1/2.7" CMOS	Fixed-focal (f=4.0 / 2.8mm)	-	-	-	-	-	-	PoE
	DC-D1212R		1920 x 1080	1/2.7" CMOS	Fixed-focal (f=4.0mm)	Yes (ICR)	-	10m (16ea)	-	-	-	PoE
	DC-D2212R		1920 x 1080	1/2.9" CMOS	Fixed-focal (f=4.0mm)	Yes (ICR)	-	15m (2ea)	-	-	-	12VDC, PoE
	DC-D2212WR		1920 x 1080	1/2.9" CMOS	Fixed-focal (f=4.0mm)	Yes (ICR)	-	15m (2ea)	-	-	IP66	12VDC, PoE
	DC-D3212X		1920 x 1080	1/3" CMOS	Fixed-focal (f=2.9mm)	Yes (ICR)	WDR	-	-	-	-	PoE
	DC-D3212RX		1920 x 1080	1/3" CMOS	Fixed-focal (f=3.3mm)	Yes (ICR)	WDR	15 m (4 ea)	-	-	-	PoE
Vari-focal Dome	DC-D1122		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	-	-	-	12VDC, PoE
	DC-D1122R		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	-	-	-	12VDC, PoE
	DC-D1122W		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	-	-	IP66	12VDC, PoE
	DC-D1122WR		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	-	-	IP66	12VDC, PoE
	DC-D1123		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1123R		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1123W		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D1123WR		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D1123WHR		1280 x 720	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-D1223		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1223F		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1223FR		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1223R		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1223W		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D1223WR		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D1223WX		1920 x 1080	1/2.8" CMOS	Vari-focal (f=3 - 9mm)	Yes (ICR)	WDR	-	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D1223WHR		1920 x 1080	1/2.7" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-D1323R		2304 x 1296	1/3" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D1323WHR		2304 x 1296	1/3" CMOS	Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (18ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE

	Model		Max Resolution	Image Sensor	Lens	TDN	WDR	IR LED	Audio In / Out	Alarm In / Out	Outdoor Ready	Power Source
MFZ Dome	DC-D2233		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-D2233R		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (28ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D2233W		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	-	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D2233WR		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (28ea)	1 / 1	1 / 1	IP66	12VDC, PoE
	DC-D2233WHR		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	20m (28ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-D2233WHX		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	20m (28ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-D3233X		1920 x 1080	1/3" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-D3233RX		1920 x 1080	1/3" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	20m (28ea)	1 / 1	1 / 1	-	12VDC, PoE
	DC-D3233WRX		1920 x 1080	1/3" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	20m (28ea)	1 / 1	1 / 1	IP66	12VDC, PoE
Fixed Bullet	DC-E1112WR		1280 x 720	1/2.7" CMOS	Fixed-focal (f=4.0mm)	Yes (ICR)	-	10m (24ea)	-	-	IP66	PoE
	DC-E1212WR		1920 x 1080	1/2.7" CMOS	Fixed-focal (f=4.0mm)	Yes (ICR)	-	10m (24ea)	-	-	IP66	PoE
	DC-E3212WRX		1920 x 1080	1/3" CMOS	Fixed-focal (f=3.3 / 6.0mm)	Yes (ICR)	WDR	10m (2ea)	-	-	IP66	PoE
MFZ Bullet	DC-T1232WR		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	30m (42ea)	-	-	IP66	12VDC, PoE
	DC-T1233WHR		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	30m (42ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-T1233WHX		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	30m (42ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-T1234WR		1920 x 1080	1/2.8" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	-	30m (24ea) / White LED (6ea)	-	- / 1	IP66	12VDC, PoE
	DC-T3233HRX		1920 x 1080	1/3" CMOS	Motorized Vari-focal (f=3.3 - 10mm)	Yes (ICR)	WDR	30m (10ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-T3243HRX		1920 x 1080	1/3" CMOS	Motorized Vari-focal (f=9 - 22mm)	Yes (ICR)	WDR	30m (10ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
	DC-T1833WHR		3840 x 2160	1/2.5" CMOS	Motorized Vari-focal (f=3.6 - 9.8mm)	Yes (ICR)	-	30m (10ea)	1 / 1	1 / 1	IP66, Heater	12VDC, PoE
Fisheye	DC-Y1514		2560 x 2048	1/1.8" CMOS	Fixed-focal (f=1.45mm)	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, PoE
	DC-Y1514W		2560 x 2048	1/1.8" CMOS	Fixed-focal (f=1.45mm)	Yes (ICR)	-	-	1 / 1	1 / 1	IP66	12VDC, PoE
Speed Dome	DC-S1163WH		1280 x 720	1/2.8" CMOS	AF Optical Zoom (f=4.7 - 84.6mm) 18x Zoom	Yes (ICR)	-	-	1 / 1	1 / 1	IP66, Heater	12VDC, 24VAC, PoE
	DC-S1263WH		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.7 - 84.6mm) 18x Zoom	Yes (ICR)	-	-	1 / 1	1 / 1	IP66, Heater	12VDC, 24VAC, PoE
	DC-S1263F		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.7 - 84.6mm) 18x Zoom	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, 24VAC, PoE
	DC-S1283WHX		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.3 - 129.0mm) 30x Zoom	Yes (ICR)	WDR	-	1 / 1	1 / 1	IP66, Heater	12VDC, 24VAC, PoE
	DC-S1283FX		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.3 - 129.0mm) 30x Zoom	Yes (ICR)	WDR	-	1 / 1	1 / 1	-	12VDC, 24VAC, PoE
	DC-S1283WRX		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.3 - 129.0mm) 30x Zoom	Yes (ICR)	WDR	150m (13ea)	1 / 1	1 / 1	IP66, Heater	24VAC
Zoom	DC-Z1163		1280 x 720	1/2.8" CMOS	AF Optical Zoom (f=4.7 - 84.6mm) 18x Zoom	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, 24VAC, PoE
	DC-Z1263		1920 x 1080	1/2.8" CMOS	AF Optical Zoom (f=4.7 - 84.6mm) 18x Zoom	Yes (ICR)	-	-	1 / 1	1 / 1	-	12VDC, 24VAC, PoE

DC-B1101

- Easy installation with DirectIP NVR
- HD (720p) resolution
- PoE (IEEE 802.3af Class 2), 12VDC
- Supports ONVIF

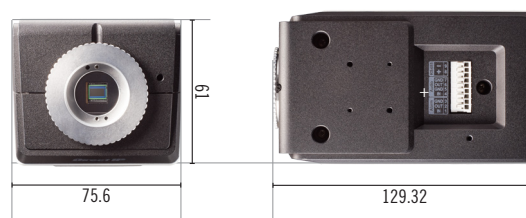


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.7 Lux @ F1.2 B/W : 0.8 Lux @ F1.2	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	Electrical	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

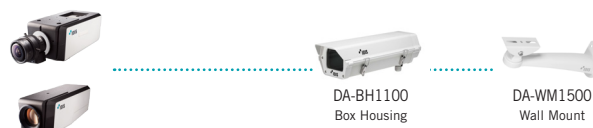
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Box Camera

DC-B1103

- Easy installation with DirectIP NVR
- HD (720p) resolution
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- Supports ONVIF

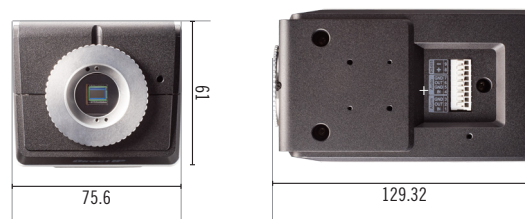


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.08 Lux @ F1.2 B/W : 0.08 Lux @ F1.2	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Box Camera

DC-B1203

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- Supports ONVIF

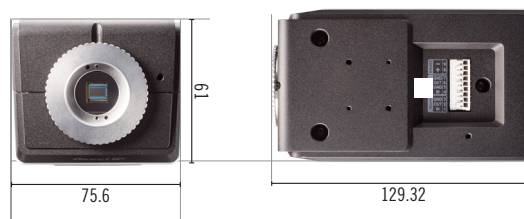


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.08 Lux @ F1.2 B/W : 0.08 Lux @ F1.2	
Dynamic Range	More than 70 dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

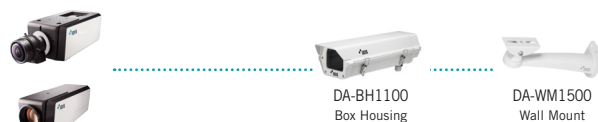
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-B1203X

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- Supports ONVIF

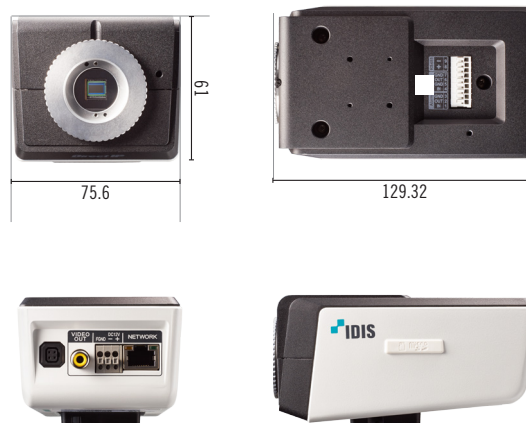


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.01 Lux @ F1.2 B/W : 0.005 Lux @ F1.2	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

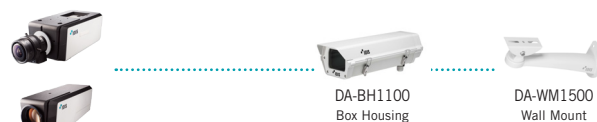
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



3MP Full HD Box Camera

DC-B1303

- Easy installation with DirectIP NVR
- 3MP (2304 x 1296) resolution
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- Supports ONVIF

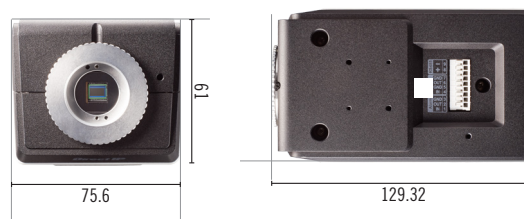


SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	2304 x 1296	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.4 Lux @ F1.4 B/W : 0.01 Lux @ F1.4	
Dynamic Range	More than 70 dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	15fps : 2304 x 1296 30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, SFTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

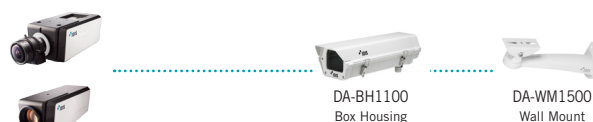
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



4K Ultra HD Box Camera

DC-B1803

- Easy installation with DirectIP NVR
- 4K UHD (3840 x 2160) resolution
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- Supports ONVIF

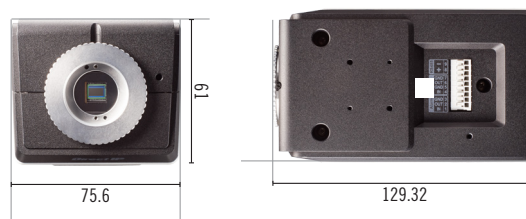


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.3" CMOS	
Max. Resolution	3840 x 2160	
Scanning Mode	Progressive Scan	
Lens Type	Optional (C/CS Mount)	
Iris Control	P-Iris / DC Auto Iris / Manual Iris	
Min. Illumination	Color : 0.4 Lux @ F1.6 BW : 0.009 Lux @ F1.6	
Dynamic Range	More than 70 dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30fps : 3840 x 2160 60fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	3840 x 2160 (8MP), 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240	3840 x 2160 (8MP), 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 100MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	8.4W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions (W x H x D)	75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09")	
Weight	0.4kg (0.89lb)	

DIMENSIONS

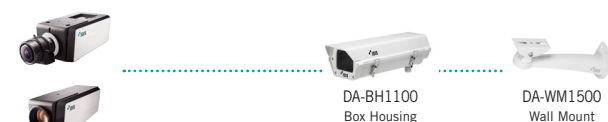
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Flat Dome Camera

DC-F1111A

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Fixed-focal lens (f=2.8mm)
- PoE (IEEE 802.3af Class 1)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/4" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=2.8mm	
Aperture	F=2.2	
Iris Control	Fixed Iris	
Angular Field of View	78.5° (H), 44.0° (V), 90.3° (D)	
Pan / Tilt Range	Pan : -60° ~ 60°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.9 Lux @ F2.2 B/W : 0.6 Lux @ F2.2	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	Electrical	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 1)	
Power Consumption	3.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	95mm x 56.21mm x 120mm (3.75" x 2.22" x 4.73")	
Weight	0.25kg (0.56lb)	

DIMENSIONS

(Unit - mm)



HD Dome Camera

DC-D1111

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Fixed-focal lens (f=4.0mm)
- PoE (IEEE 802.3af Class 2), 12VDC
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F2.0	
Iris Control	Fixed Iris	
Angular Field of View	90.3° (H), 47.0° (V), 108.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 75°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.5 Lux @ F2.0 B/W : 0.3 Lux @ F2.0	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	Electrical	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø132mm x 103mm (Ø5.2" x 4.06")	
Weight	0.35kg (0.78lb)	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



DC-F1211(A)

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=4.0 / 2.8mm)
- PoE (IEEE 802.3af Class 1)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm / 2.8mm (A Model)	
Aperture	F=2.0 / 2.2 (A Model)	
Iris Control	Fixed Iris	
Angular Field of View	86° (H), 47° (V), 101° (D) 118.7° (H), 66.4° (V), 137.0° (D) (A Model)	
Pan / Tilt Range	Pan : -60° ~ 60°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.4 Lux @ F2.0 / 0.5 Lux @ F2.2 (A Model) B/W : 0.2 Lux @ F2.0 / 0.3 Lux @ F2.2 (A Model)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	Electrical	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 1)	
Power Consumption	3.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	95mm x 56.21mm x 120mm (3.75" x 2.22" x 4.73")	
Weight	0.25kg (0.56lb)	

DIMENSIONS

(Unit - mm)



DC-D1212R

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=4.0mm)
- PoE (IEEE 802.3af Class 2)
- Day and night
- IR LED (Distance : 10m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F2.0	
Iris Control	Fixed Iris	
Angular Field of View	90.3° (H), 47° (V), 108.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 75°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	10m (16ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø132mm x 103mm (Ø5.2" x 4.06")	
Weight	0.35kg (0.78lb)	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



DC-D2212R

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=4.0mm)
- micro SD / SDHC
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 15m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.9" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F2.0	
Iris Control	Fixed Iris	
Angular Field of View	84.4° (H), 50.3° (V), 104.6° (D)	
Pan / Tilt Range	Pan : -180° ~ 174°, Tilt : 0° ~ 65°	
Min. Illumination	Color : 0.07 Lux @ F2.0 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	15m (2ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming Triple Streaming	
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	3.96W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø131mm x 75.8mm (Ø5.16" x 2.99")	
Weight	0.3kg (0.66lb)	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D2212WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=4.0mm)
- micro SD / SDHC
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 15m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.9" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F2.0	
Iris Control	Fixed Iris	
Angular Field of View	84.4° (H), 50.3° (V), 104.6° (D)	
Pan / Tilt Range	Pan : -180° ~ 174°, Tilt : 0° ~ 65°	
Min. Illumination	Color : 0.07 Lux @ F2.0 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	15m (2ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	3.96W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 75.8mm (Ø5.16" x 2.99")	
Weight	0.7kg (1.54lb)	



DIMENSIONS

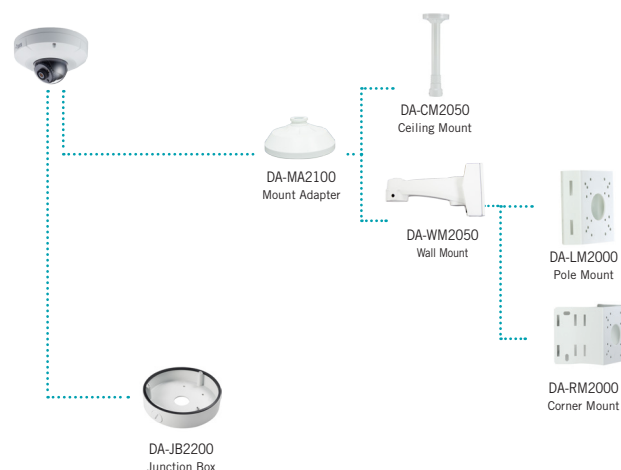
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D3212X

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=2.9mm)
- micro SD/SDHC/SDXC
- PoE (IEEE 802.3af Class 2)
- Day and night
- True wide dynamic range (WDR)
- Digital image stabilization
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=2.9mm	
Aperture	F2.0	
Iris Control	Fixed Iris	
Angular Field of View	111.5°(H), 59.6°(V), 132.8°(D)	
Pan / Tilt Range	Pan: -180° ~ 174°, Tilt: 0° ~ 65°	
Min. Illumination	COLOR : 0.1 lux @F2.0 B/W : 0.01 lux @F2.0	
Dynamic Range	120 dB (True WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.265 , H.264 (MP), M-JPEG	
Bitrate Control	H.265 - VBR / CBR	
	H.264 - VBR / CBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)	
	*Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 2)	
Power Consumption	3.4W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø131 x 79.3mm	
Weight	0.3kg	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



DC-D3212RX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=3.3mm)
- micro SD/SDHC/SDXC
- PoE (IEEE 802.3af Class 2)
- Day and night
- True wide dynamic range (WDR)
- Digital image stabilization
- IR LED (Distance : 15m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/3" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=3.3mm
Aperture	F2.0
Iris Control	Fixed Iris
Angular Field of View	96.4°(H), 52.3°(V), 113.2°(D)
Pan / Tilt Range	Pan: -180° ~ 174°, Tilt: 0° ~ 65°
Min. Illumination	COLOR : 0.1 lux @F2.0 B/W : 0 lux (IR LED ON)
Dynamic Range	120 dB (True WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	15 m (4 ea)
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 3DNR
Backlight Compensation	On / Off / HSBLC
Image Stabilizer	Yes (DIS)
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 BNC (Accessory)
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.265 , H.264 (MP), M-JPEG
Bitrate Control	H.265 - VBR / CBR H.264 - VBR / CBR
Max. Frame Rate	30fps : 1920 x 1080
Audio Compression	-
Two-way Audio	-
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming Triple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100BASE-T)
Edge Storage	micro SD / SDHC / SDXC
ALARM AND EVENT	
Trigger Event	Motion Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	-
Alarm In / Out	-
ENVIRONMENTAL	
Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	PoE (IEEE 802.3af Class 2)
Power Consumption	4.5W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø131 x 79.3mm
Weight	0.31kg



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



HD Dome Camera

DC-D1122

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0.006 Lux @ F1.5	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE (50130-4), KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.51kg (1.13lb)	

DIMENSIONS

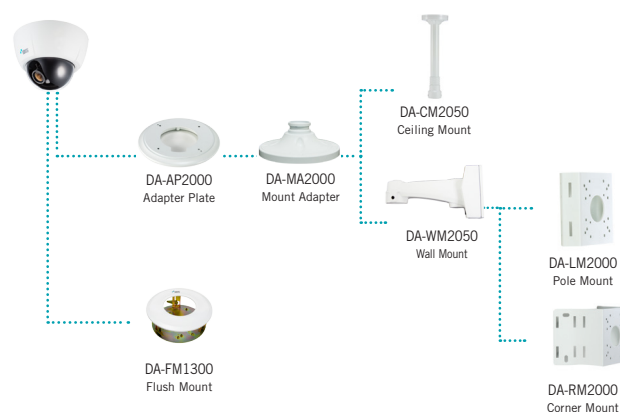
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD IR Dome Camera

DC-D1122R

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

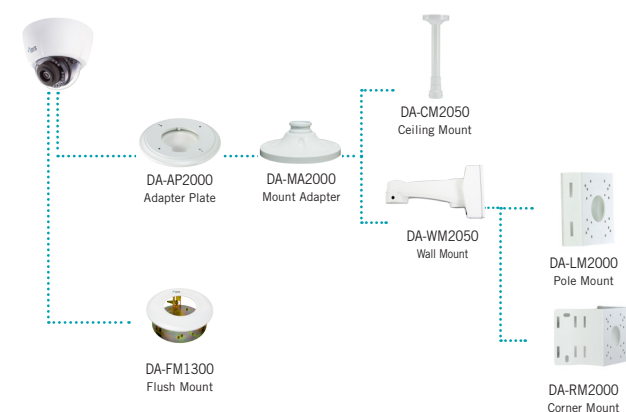
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Vandal Resistant Dome Camera

DC-D1122W

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0.006 Lux @ F1.5	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.87kg (1.92lb)	



DIMENSIONS

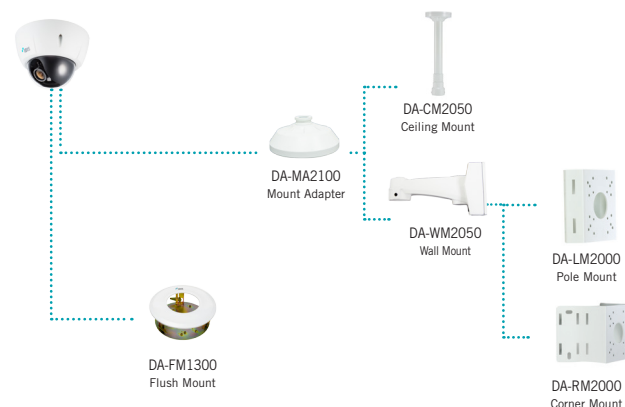
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Vandal Resistant IR Dome Camera

DC-D1122WR

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	Yes	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	



DIMENSIONS

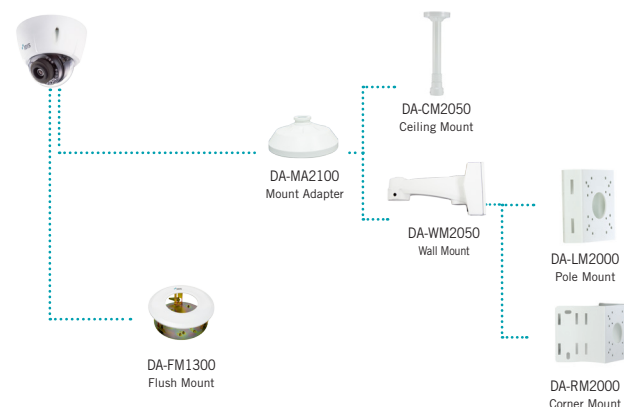
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D1123

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0.006 Lux @ F1.5	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

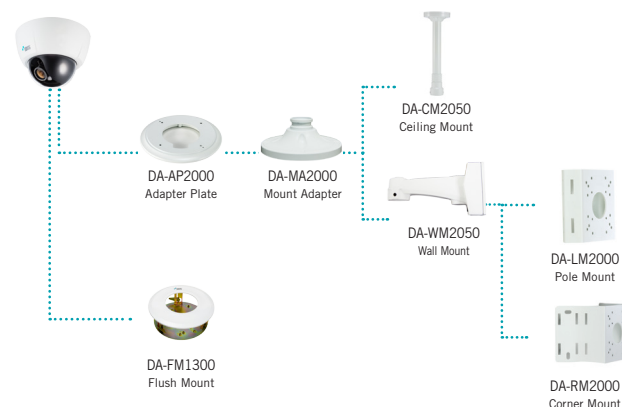
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD IR Dome Camera

DC-D1123R

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

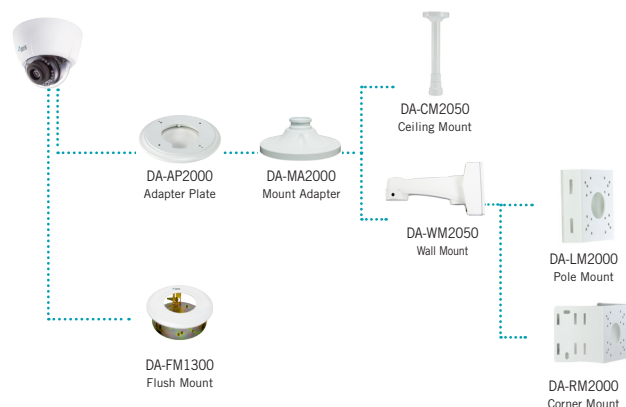
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Vandal Resistant Dome Camera

DC-D1123W

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0.006 Lux @ F1.5	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.87kg (1.92lb)	



DIMENSIONS

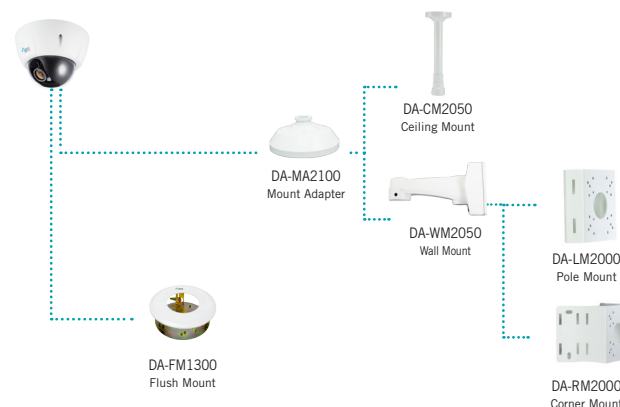
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Vandal Resistant IR Dome Camera

DC-D1123WR

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	

DIMENSIONS

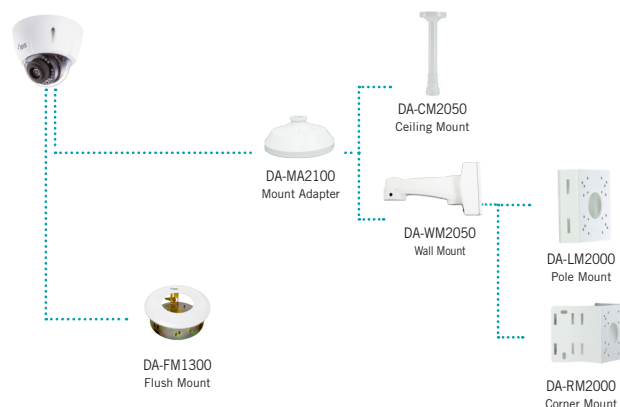
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD Vandal Resistant IR Dome Camera

DC-D1123WHR

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.5 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 105.5° (H), 55.4° (V), 125.3° (D) Tele : 35.3° (H), 19.7° (V), 40.4° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.6 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W (Heater Off), 19.2W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	



DIMENSIONS

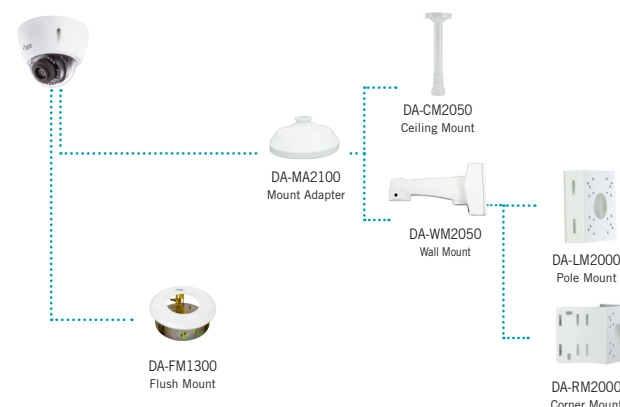
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D1223

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

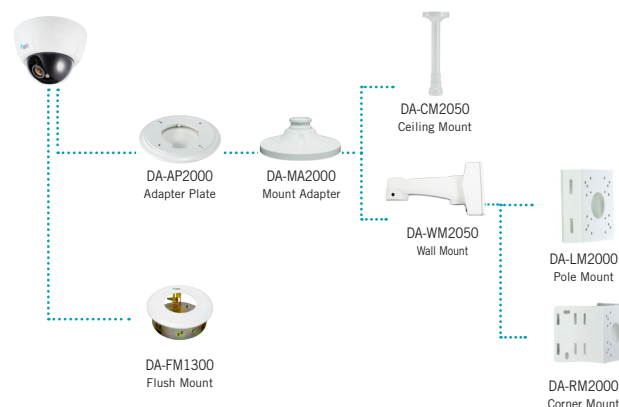
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Flush Dome Camera

DC-D1223F

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 127mm (Ø6.11" x 5.01")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

(Unit - mm)



DC-D1223FR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 137mm (Ø6.11" x 5.4")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

(Unit - mm)



DC-D1223R

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC, UL	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

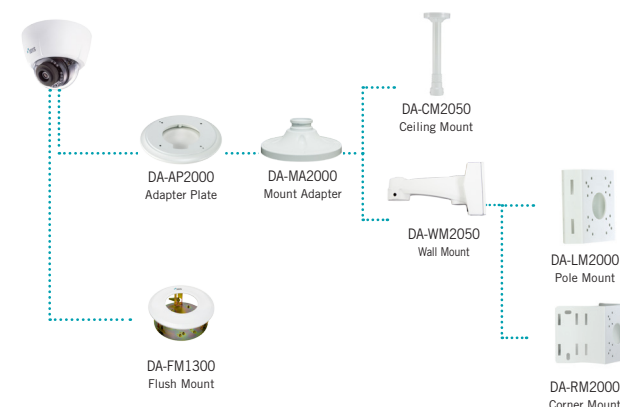
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D1223W

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")	
Weight	0.87kg (1.92lb)	



DIMENSIONS

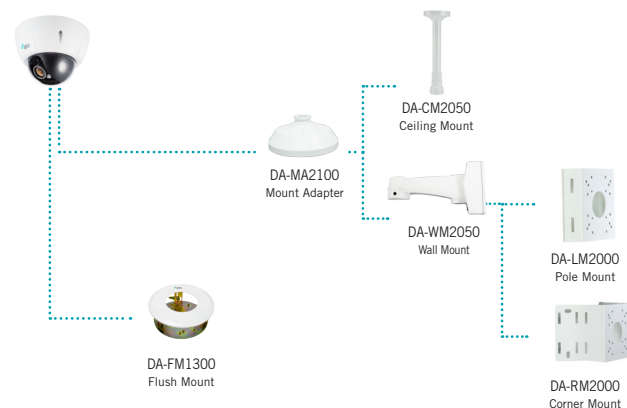
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D1223WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	5.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	

DIMENSIONS

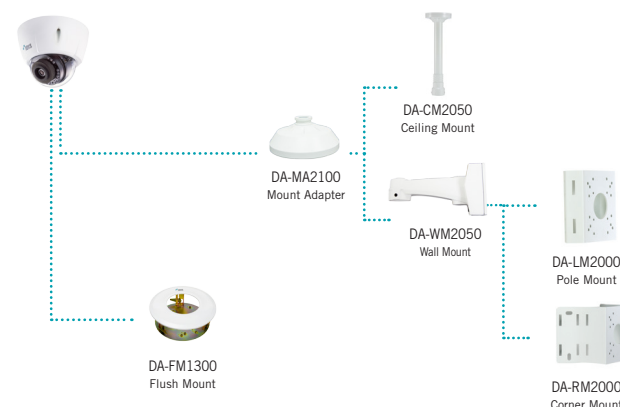
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Vandal Resistant Dome Camera

DC-D1223WX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3 - 9mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- WDR
- Digital image stabilization
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Vari-focal
Focal Length	f=3 - 9mm
Aperture	F1.2 - 2.3
Iris Control	DC Auto Iris
Angular Field of View	Wide : 111.0° (H), 57.8° (V), 133.8° (D) Tele : 35.7° (H), 20.0° (V), 41.0° (D)
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 70°, Rotate : -176° ~ 176°
Min. Illumination	Color : 0.005 Lux @ F1.2 B/W : 0.0002 Lux @ F1.2
Dynamic Range	120dB (WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR / 3DNR
Backlight Compensation	-
Image Stabilizer	Yes (DIS)
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm
Video Out	1 Terminal Block
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MP), M-JPEG
Bitrate Control	H.264 - VBR
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming Quadruple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)
Edge Storage	micro SD / SDHC
ALARM AND EVENT	
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	IK10
Outdoor Ready	IP66
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, PoE (IEEE 802.3af Class 2)
Power Consumption	5.16W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø160mm x 112mm (Ø6.3" x 4.41")
Weight	0.87kg (1.92lb)

DIMENSIONS

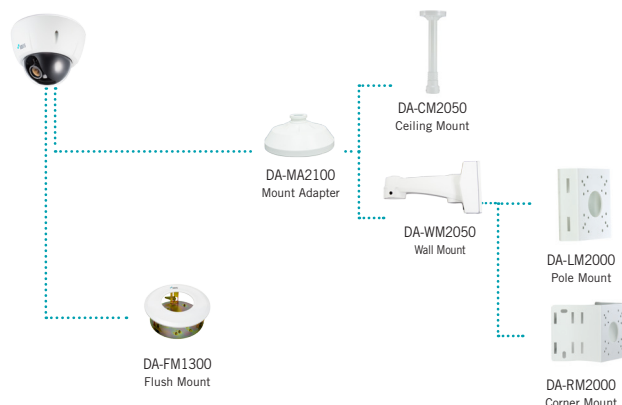
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D1223WHR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 108.2° (H), 56.2° (V), 129.3° (D) Tele : 35.4° (H), 19.8° (V), 40.5° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	Yes	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W (Heater Off), 19.2W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	

DIMENSIONS

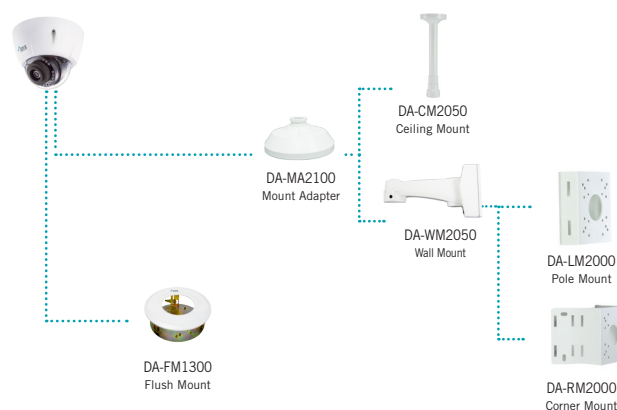
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



3MP Full HD IR Dome Camera

DC-D1323R

- Easy installation with DirectIP NVR
- 3MP (2304 x 1296) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/3" CMOS
Max. Resolution	2304 x 1296
Scanning Mode	Progressive Scan
Lens Type	Vari-focal
Focal Length	f=3.3 - 10mm
Aperture	F1.3 - 2.5
Iris Control	DC Auto Iris
Angular Field of View	Wide : 89.6° (H), 47.9° (V), 105.6° (D) Tele : 30.6° (H), 17.2° (V), 35.1° (D)
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)
Dynamic Range	69.5dB
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	20m (18ea)
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR
Backlight Compensation	On / Off / HSBL
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 Terminal Block
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MP), M-JPEG
Bitrate Control	H.264 - CBR / VBR
Max. Frame Rate	15fps : 2304 x 1296 30fps : 1920 x 1080
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming Triple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)
Edge Storage	micro SD / SDHC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, PoE (IEEE 802.3af Class 2)
Power Consumption	5.6W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")
Weight	0.51kg (1.13lb)



DIMENSIONS

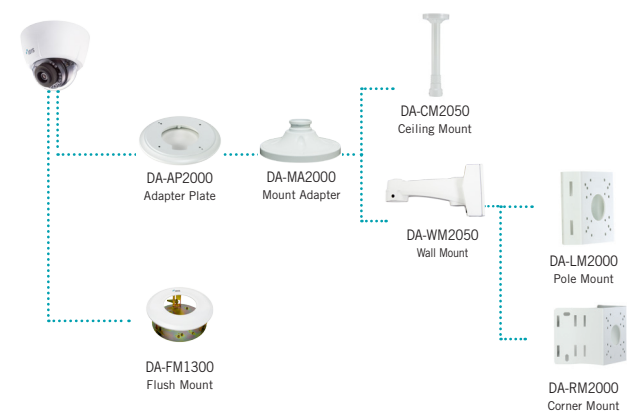
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



3MP Full HD Vandal Resistant IR Dome Camera

DC-D1323WHR

- Easy installation with DirectIP NVR
- 3MP (2304 x 1296) resolution
- Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	2304 x 1296	
Scanning Mode	Progressive Scan	
Lens Type	Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 89.6° (H), 47.9° (V), 105.6° (D) Tele : 30.6° (H), 17.2° (V), 35.1° (D)	
Pan / Tilt Range	Pan : -167° ~ 167°, Tilt : 0° ~ 80°, Rotate : -176° ~ 176°	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	69.5dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (18ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	15fps : 2304 x 1296 / 30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W (Heater Off), 19.2W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø160mm x 122mm (Ø6.3" x 4.81")	
Weight	0.87kg (1.92lb)	

DIMENSIONS

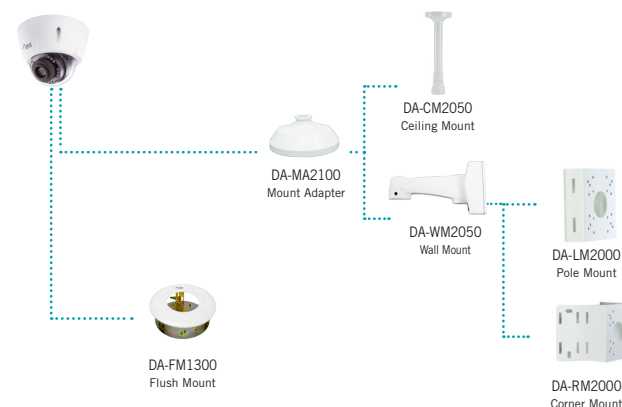
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Dome Camera

DC-D2233

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Motorized Vari-focal
Focal Length	f=3.3 - 10mm
Aperture	F1.3 - 2.5
Iris Control	DC Auto Iris
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)
Pan / Tilt Range	Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°
Min. Illumination	Color : 0.3 Lux @ F1.3 B/W : 0.002 Lux @ F1.3
Dynamic Range	74.7dB
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR
Backlight Compensation	On / Off / HSBC
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 BNC
NETWORK	
	DirectIP Mode
Video Compression	H.264 (MP), M-JPEG
Bitrate Control	H.264 - CBR / VBR
Max. Frame Rate	30fps : 1920 x 1080
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol
Security	SSL Encryption
Remote Access Client	DirectIP NVR Connection
Ethernet	RJ45 (10/100 BASE-T)
Edge Storage	micro SD / SDHC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	3.5W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø130mm x 101.8mm (Ø5.12" x 4.01")
Weight	0.43kg (0.95lb)

DIMENSIONS

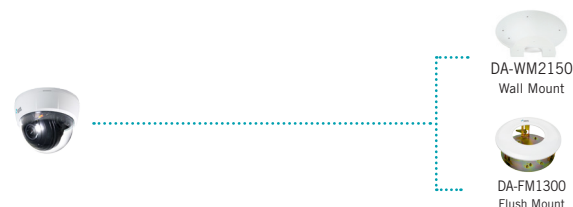
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD IR Dome Camera

DC-D2233R

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°	
Min. Illumination	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø130mm x 101.8mm (Ø5.12" x 4.01")	
Weight	0.43kg (0.95lb)	



DIMENSIONS

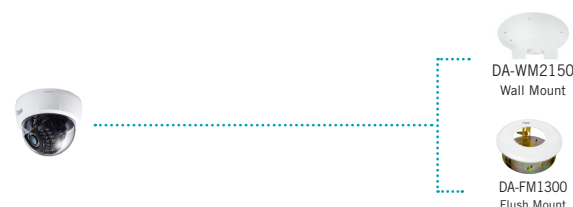
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D2233W

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°	
Min. Illumination	Color : 0.3 Lux @ F1.3 B/W : 0.002 Lux @ F1.3	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	3.5W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø150.5mm x 98.8mm (Ø5.93" x 3.89")	
Weight	0.98kg (2.17lb)	



DIMENSIONS

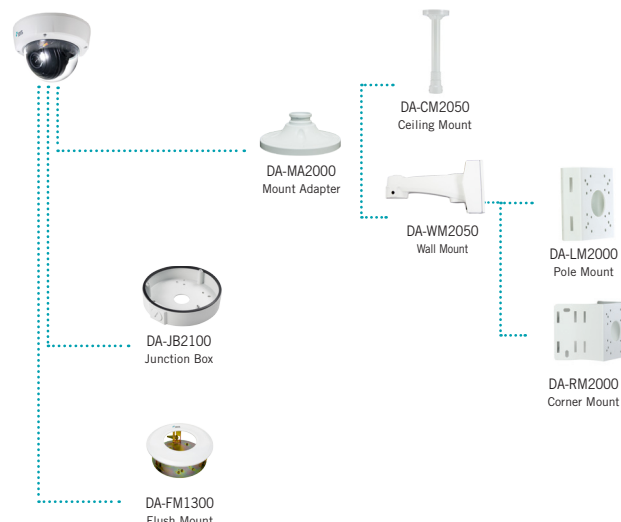
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D2233WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°	
Min. Illumination	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø150.5mm x 98.8mm (Ø5.93" x 3.89")	
Weight	0.98kg (2.17lb)	

DIMENSIONS

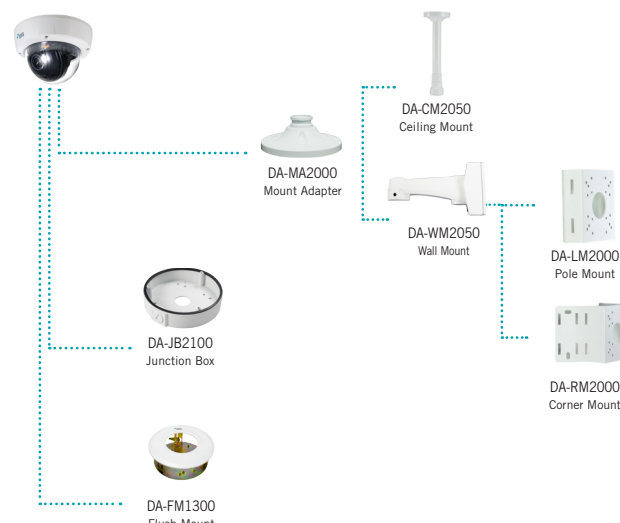
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D2233WHR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°	
Min. Illumination	Color : 0.3 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	4.8W (Heater Off), 14.4W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø150.5mm x 98.8mm (Ø5.93" x 3.89")	
Weight	0.98kg (2.17lb)	

DIMENSIONS

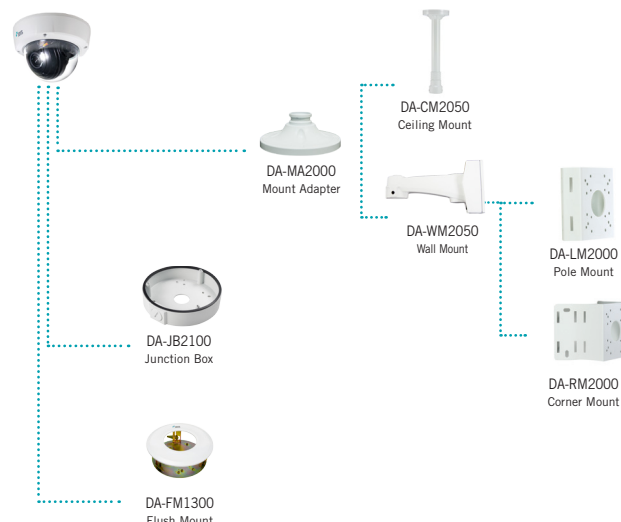
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-D2233WHX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- WDR
- Digital image stabilization
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF

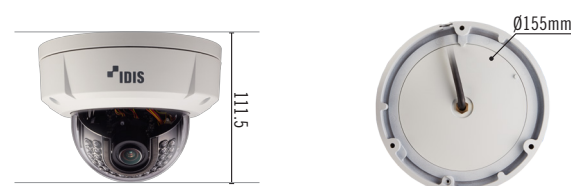


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -176° ~ 176°, Tilt : 0° ~ 66°, Rotate : -90° ~ 90°	
Min. Illumination	Color : 0.007 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering, Audio Detection	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.2W (Heater Off), 19.2W (Heater On / DC 12V Only)	
Approvals	FCC, CE (50130-4), KC	
MECHANICAL		
Dimensions	Ø155mm x 111.5mm (Ø6.11" x 4.39")	
Weight	0.9kg (1.98lb)	

DIMENSIONS

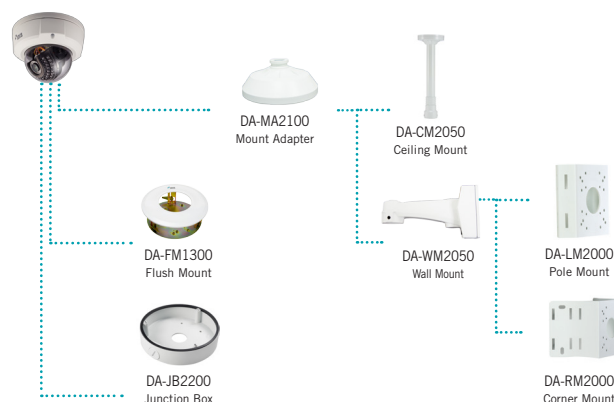
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Vandal Resistant IR Dome Camera

DC-D3233X

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2), 12VDC
- Day and night
- Supports H.265 / H.264 codec
- WDR
- Low light enhancer
- Digital image stabilization
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	P-Iris	
Angular Field of View	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	
Pan / Tilt Range	Pan : -176° ~ 176°, Tilt : 0° ~ 66°, Rotate : -90° ~ 90°	
Min. Illumination	Color : 0.01 Lux @ F1.3 B/W : 0.005 Lux @ F1.3	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLCL	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265	
Bitrate Control	H.264 - CBR / VBR H.265 - CBR / VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming	
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 2)	
Power Consumption	6.0W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 111.5mm (Ø6.11" x 4.39")	
Weight	0.6kg (1.32lb)	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Vandal Resistant IR Dome Camera

DC-D3233RX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Supports H.265 / H.264 codec
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	P-Iris	
Angular Field of View	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	
Pan / Tilt Range	Pan : -176° ~ 176°, Tilt : 0° ~ 66°, Rotate : -90° ~ 90°	
Min. Illumination	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265	
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Alarm In, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.5W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 111.5mm (Ø6.11" x 4.39")	
Weight	0.6kg (1.32lb)	



DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD Vandal Resistant IR Dome Camera

DC-D3233WRX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Supports H.265 / H.264 codec
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF

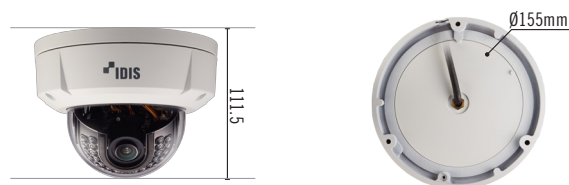


SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	P-Iris	
Angular Field of View	Wide : 95.7° (H), 50.6° (V), 114.4° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	
Pan / Tilt Range	Pan : -176° ~ 176°, Tilt : 0° ~ 66°, Rotate : -90° ~ 90°	
Min. Illumination	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20m (28ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBC	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC (Accessory)	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265	
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Alarm In, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.5W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 111.5mm (Ø6.11" x 4.39")	
Weight	0.9kg (1.98lb)	

DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-E1112WR

- Easy installation with DirectIP NVR
- HD (720p) resolution
- Fixed-focal lens (f=4.0mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2)
- Day and night
- IR LED (Distance : 10m)
- 3-axis mechanical design for installation
- Supports ONVIF

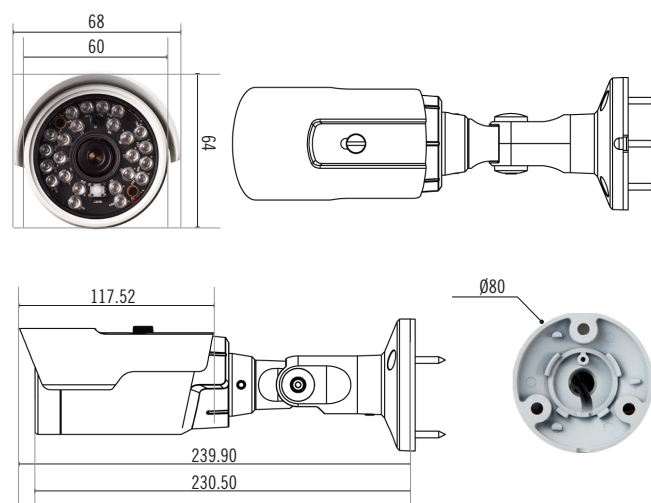


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F=2.0	
Iris Control	Fixed Iris	
Angular Field of View	90.3° (H), 47.0° (V), 108.4° (D)	
Min. Illumination	Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5,,1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	10m (24ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø60mm x 230.5mm (Ø2.36" x 9.07")	
Weight	0.51kg (1.13lb)	

DIMENSIONS

(Unit - mm)



DC-E1212WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=4.0mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2)
- Day and night
- IR LED (Distance : 10m)
- 3-axis mechanical design for installation
- Supports ONVIF



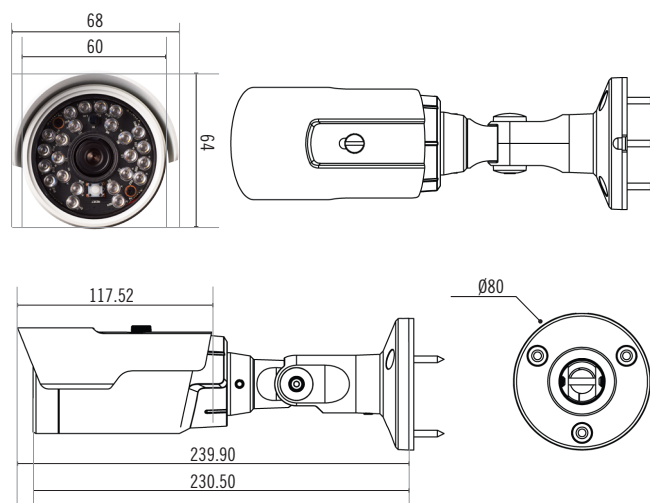
SPECIFICATIONS

VIDEO		
Image Sensor	1/2.7" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f=4.0mm	
Aperture	F=2.0	
Iris Control	Fixed Iris	
Angular Field of View	90.3° (H), 47.0° (V), 108.4° (D)	
Min. Illumination	Color : 0.3 Lux @ F2.0 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 70dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	10m (24ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	PoE (IEEE 802.3af Class 2)	
Power Consumption	4.8W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø60mm x 230.5mm (Ø2.36" x 9.07")	
Weight	0.51kg (1.13lb)	



DIMENSIONS

(Unit - mm)



DC-E3212WRX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=3.3mm / 6.0mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 2)
- Day and night
- WDR
- Supports H.265 / H.264 codec
- Low light enhancer
- Digital image stabilization
- IR LED (Distance : 10m)
- 3-axis mechanical design for installation
- Supports ONVIF

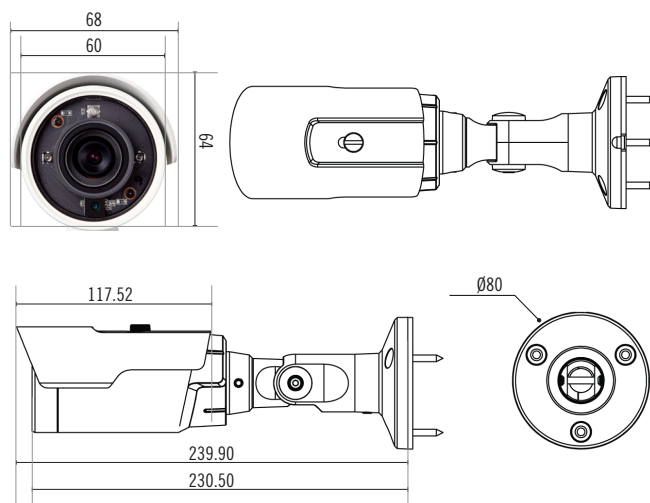


SPECIFICATIONS

VIDEO	
Image Sensor	1/3" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=3.3mm / 6.0mm
Aperture	F=2.0
Iris Control	Fixed Iris
Angular Field of View	96.4° (H), 52.3° (V), 113.2° (D) (f=3.3mm) 52.6° (H), 29.1° (V), 60.7° (D) (f=6.0mm)
Min. Illumination	Color : 0.006 Lux @ F2.0 B/W : 0 Lux (IR LED On)
Dynamic Range	120dB (WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	10m (2ea)
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR / 3DNR
Backlight Compensation	On / Off / HSBLC
Mirroring / Pivot	Horizontal / Vertical / Pivot
Image Stabilizer	Yes (DIS)
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 BNC
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR
Max. Frame Rate	30fps : 1920 x 1080
Audio Compression	-
Two-way Audio	-
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming Quadruple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)
Edge Storage	-
ALARM AND EVENT	
Trigger Event	Motion Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	-
Alarm In / Out	-
ENVIRONMENTAL	
Vandal Proof Casing	IK10
Outdoor Ready	IP66
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	PoE (IEEE 802.3af Class 2)
Power Consumption	5.24W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø60mm x 230.5mm (Ø2.36" x 9.07")
Weight	0.51kg (1.13lb)

DIMENSIONS

(Unit - mm)



Full HD IR Bullet Camera

DC-T1232WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (42ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	-	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	9.24W	
Approvals	FCC, CE, KC, UL	
MECHANICAL		
Dimensions	Ø73.5mm x 290.2mm (Ø2.9" x 11.43")	
Weight	1.17kg (2.58lb)	



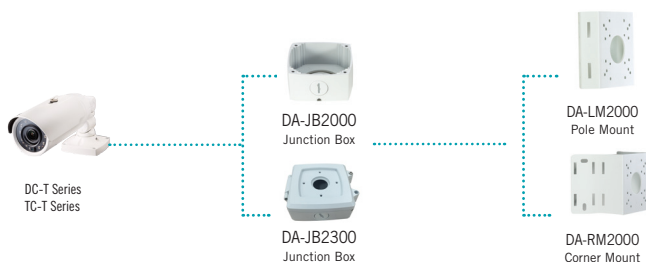
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD IR Bullet Camera with Heater

DC-T1233WHR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (42ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	9.24W (Heater Off), 17.4W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC, UL	
MECHANICAL		
Dimensions	Ø73.5mm x 290.2mm (Ø2.9" x 11.43")	
Weight	1.17kg (2.58lb)	



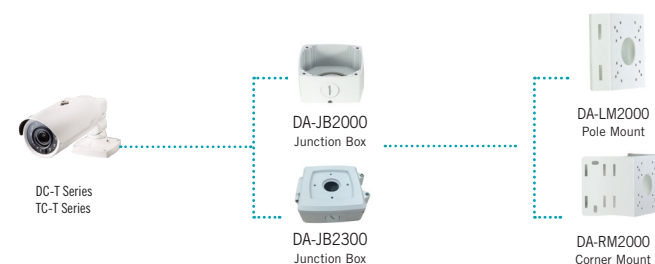
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-T1233WHX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- WDR
- Digital image stabilization
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Min. Illumination	Color : 0.002 Lux B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (42ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Face Detection	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Tampering, Face Detection	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-20°C ~ +50°C (-4°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	10.8W (Heater Off), 22.8W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø73.5mm x 307.5mm (Ø2.9" x 12.1")	
Weight	1.4kg (3.09lb)	

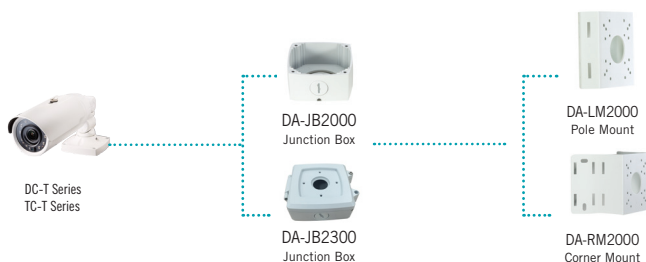
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-T1234WR

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- Alarm out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (24ea) / White LED (6ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	-	
Alarm In / Out	Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.2W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø73.5mm x 290.2mm (Ø2.9" x 11.43")	
Weight	1.17kg (2.58lb)	

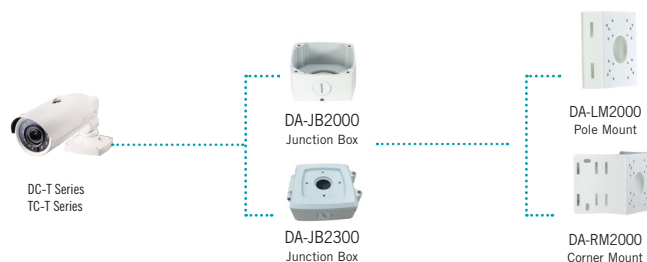
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-T3233HRX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Supports H.265 / H.264 codec
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	P-Iris	
Angular Field of View	Wide : 93.9° (H), 50.0° (V), 111.0° (D) Tele : 31.8° (H), 17.9° (V), 36.5° (D)	
Min. Illumination	Color : 0.01 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (10ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265	
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	8.64W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")	
Weight	1.17kg (2.58lb)	

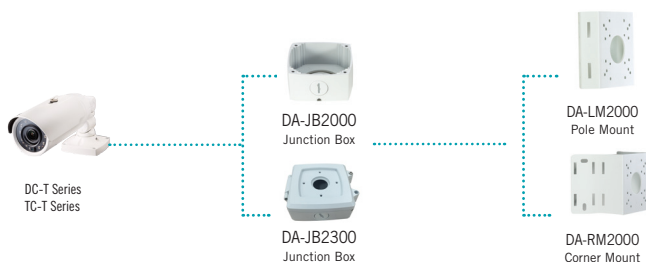
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-T3243HRX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=9 - 22mm)
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- IK10 / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- WDR
- Digital image stabilization
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/3" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=9 - 22mm	
Aperture	F=1.5 - 2.8	
Iris Control	P-Iris	
Angular Field of View	Wide : 33.8° (H), 18.8° (V), 39.2° (D) Tele : 14.2° (H), 8° (V), 16.2° (D)	
Min. Illumination	Color : 0.07 Lux @ F1.5 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (True WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (10ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	Yes (DIS)	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG, H.265	
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR	
Max. Frame Rate	60fps : 1920 x 1080 30fps : 1920 x 1080 (WDR)	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Edge Storage	micro SD / SDHC / SDXC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	8.64W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø73.5mm x 308.5mm (Ø2.9" x 12.15")	
Weight	1.17kg (2.58lb)	

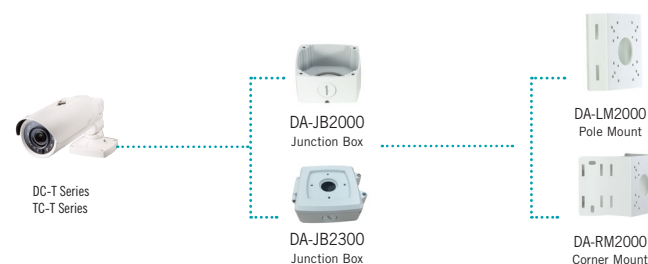
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



8MP IR Bullet Camera with Heater

DC-T1833WHR

- Easy installation with DirectIP NVR
- 4K UHD (3840 x 2160) resolution
- Motorized vari-focal lens (f=3.6 - 9.8mm)
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- IR LED (Distance : 30m)
- 3-axis mechanical design for installation
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.5" CMOS	
Max. Resolution	3840 x 2160	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.6 - 9.8mm	
Aperture	F=1.6 - 3.2	
Iris Control	P-Iris	
Angular Field of View	Wide : 103.0° (H), 52.7° (V), 118.0° (D) Tele : 36.6° (H), 19.6° (V), 41.1° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 69 dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	30m (10ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical / Pivot	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 BNC	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30fps : 3840 x 2160 60fps : 1920 x 1080	
Audio Compression	-	
Two-way Audio	-	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	3840 x 2160 (8MP), 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	3840 x 2160 (8MP), 1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	-	
ALARM AND EVENT		
Trigger Event	Motion Detection, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 100MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	13.2W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø73.5mm x 321.9mm (Ø2.9" x 12.67")	
Weight	1.4kg (3.09lb)	

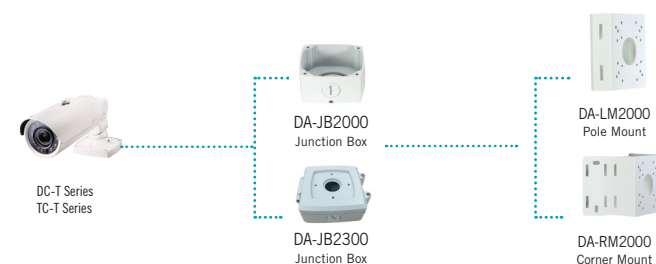
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



5MP Fisheye Camera

DC-Y1514

- Easy installation with DirectIP NVR
- 5MP (2560 x 2048) resolution
- Fixed-focal lens (f=1.45 mm)
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- Various viewing composition, 6 dewarping view modes
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/1.8" CMOS
Max. Resolution	2560 x 2048
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=1.45mm
Aperture	F2.2
Iris Control	Fixed Iris
Angular Field of View	H: 180° / V: 180° / D: 180°
Pan / Tilt Range	-
Min. Illumination	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2
Dynamic Range	More than 70dB (90dB @ Digital WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR / 3DNR
Backlight Compensation	On / Off / HSLC
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MPEG-4 Part 10 / AVC), M-JPEG
Bitrate Control	H.264 - VBR
Max. Frame Rate	30fps : 2560 x 2048
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	2560 x 2048, 1536 x 1536, 640 x 512, 512 x 512 2560 x 2048, 1280 x 1024, 640 x 512, 2048 x 2048, 2048 x 1024, 1536 x 1536, 1024 x 1024, 1024 x 512, 512 x 512
Multi-video Streaming	Quadruple Streaming Hextuple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, SFTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)
Edge Storage	micro SD / SDHC / SDXC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 100MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	7.56W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø155mm x 43.0mm (Ø6.10" x 1.69")
Weight	0.58kg (1.28lb)



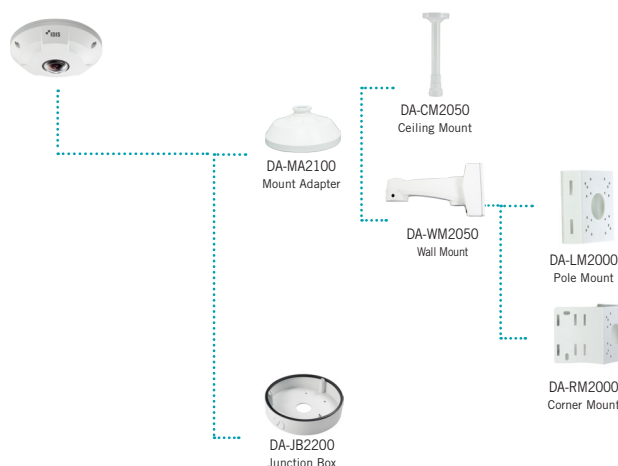
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



5MP Vandal Resistant Fisheye Camera

DC-Y1514W

- Easy installation with DirectIP NVR
- 5MP (2560 x 2048) resolution
- Fixed-focal lens (f=1.45 mm)
- micro SD / SDHC / SDXC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night
- Various viewing composition, 6 dewarping view modes
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/1.8" CMOS
Max. Resolution	2560 x 2048
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=1.45mm
Aperture	F2.2
Iris Control	Fixed Iris
Angular Field of View	H: 180° / V: 180° / D: 180°
Pan / Tilt Range	-
Min. Illumination	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2
Dynamic Range	More than 70dB (90dB @ Digital WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR / 3DNR
Backlight Compensation	On / Off / HSBLC
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MPEG-4 Part 10 / AVC), M-JPEG
Bitrate Control	H.264 - VBR
Max. Frame Rate	30fps : 2560 x 2048
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	2560 x 2048, 1536 x 1536, 640 x 512, 512 x 512 2560 x 2048, 1280 x 1024, 640 x 512, 2048 x 2048, 2048 x 1024, 1536 x 1536, 1024 x 1024, 1024 x 512, 512 x 512
Multi-video Streaming	Quadruple Streaming Hextuple Streaming
Network Protocols	DirectIP Protocol RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, SFTP, FEN, mDNS, uPNP
Security	SSL Encryption Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)
Edge Storage	micro SD / SDHC / SDXC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 100MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	IK10
Outdoor Ready	IP66
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	7.56W
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø155mm x 48.3mm (Ø6.10" x 1.90")
Weight	0.59kg (1.31lb)



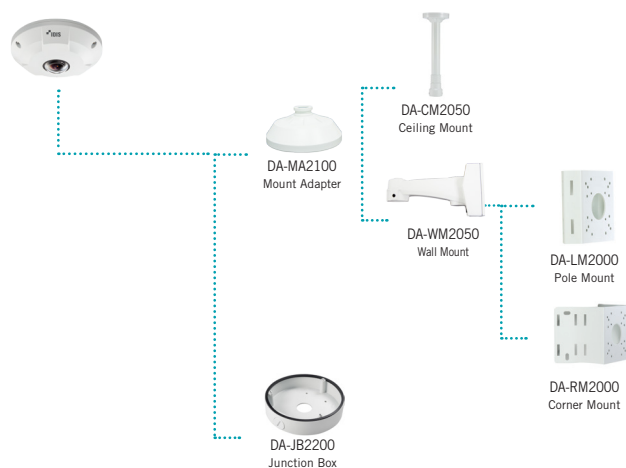
DIMENSIONS



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD 18x PTZ Camera

DC-S1163WH

- Easy installation with DirectIP NVR
- HD (720p) resolution
- AF optical zoom lens (f=4.7 - 84.6mm)
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 4), 12VDC, 24VAC
- Day and night
- Supports ONVIF



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	1280 x 720
Scanning Mode	Progressive Scan
Lens Type	AF Zoom Lens
Focal Length	f=4.7 - 84.6mm
Aperture	F1.6 - 2.8
Iris Control	DC Auto Iris
Angular Field of View	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)
Min. Illumination	Color : 0.05 Lux @ F1.6 B/W : 0.003 Lux @ F1.6
Dynamic Range	74.7dB
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)
Day and Night	IR Cut Filter with Auto Switch
IR Distance (LEDs)	-
Image Setting	Configurable Exposure, White Balance, Sharpness
Digital Noise Reduction	Configurable 2DNR
Backlight Compensation	On / Off / HSBLC
Mirroring / Pivot	Horizontal / Vertical
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 Terminal Block
PAN / TILT / ROTATE	
Pan Range	360° (Endless)
Pan Speed	0.02 ~ 180°/sec (Preset 420°/sec)
Tilt Range	200° (-10 ~ 190°)
Tilt Speed	0.02 ~ 180°/sec (Preset 420°/sec)
Preset	256ea
NETWORK	
	DirectIP Mode
Video Compression	H.264 (MP), M-JPEG
Bitrate Control	H.264 - CBR / VBR
Max. Frame Rate	30fps : 1280 x 720
Audio Compression	G.726, G.711
Two-way Audio	Yes
IP Camera Protocol	DirectIP
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240
Multi-video Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol
Security	SSL Encryption
Remote Access Client	DirectIP NVR Connection
Ethernet	RJ45 (10/100 BASE-T)
Edge Storage	micro SD / SDHC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (Up to 60MB)
Event Notification	Remote S/W, Email (With Image)
Audio In / Out	Line-in 1ea / Line-out 1ea
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Proof Casing	IK10
Outdoor Ready	IP66, Heater
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)
Operating Humidity	0% ~ 90%
ELECTRICAL	
Power Source	12VDC, 24VAC, PoE (IEEE 802.3at Class 4)
Power Consumption	DC12V : Max 35.6W / AC24V : Max 27.1W / PoE : Max 24.3W (Heater On)
Approvals	FCC, CE, KC
MECHANICAL	
Dimensions	Ø200mm x 199.5mm (Ø7.88" x 7.86")
Weight	2.45kg (5.41lb)



DIMENSIONS

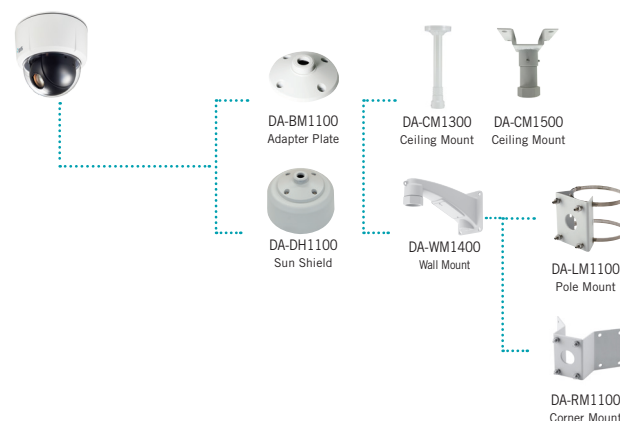
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ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



DC-S1263WH

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.7 - 84.6mm), 18x zoom
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 4), 12VDC, 24VAC
- Day and night
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.7 - 84.6mm	
Aperture	F1.6 - 2.8	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)	
Min. Illumination	Color : 0.05 Lux @ F1.6 B/W : 0.003 Lux @ F1.6	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
PAN / TILT / ROTATE		
Pan Range	360° (Endless)	
Pan Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Tilt Range	200° (-10 ~ 190°)	
Tilt Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Preset	256ea	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, SFTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3at Class 4)	
Power Consumption	DC12V : Max 35.6W / AC24V : Max 27.1W / PoE : Max 24.3W (Heater On)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø200mm x 199.5mm (Ø7.88" x 7.86")	
Weight	2.45kg (5.41lb)	



DIMENSIONS

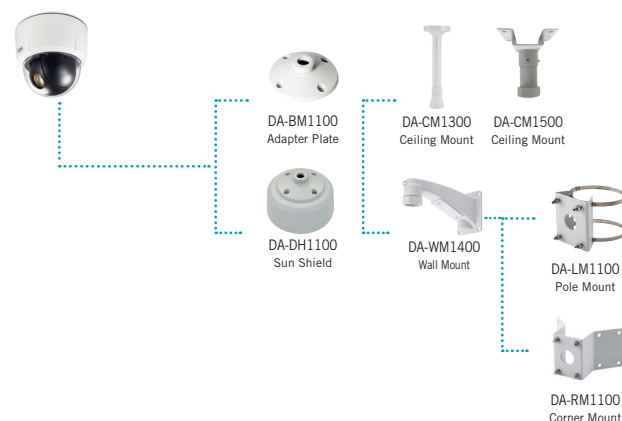
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD 18x Flush PTZ Camera

DC-S1263F

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.7 - 84.6mm), 18x zoom
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC, 24VAC
- Day and night
- Indoor enclosure
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.7 - 84.6mm	
Aperture	F1.6 - 2.8	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 61.2° (H), 35.6° (V), 68.9° (D) Tele : 3.6° (H), 2.1° (V), 4.1° (D)	
Min. Illumination	Color : 0.05 Lux @ F1.6 B/W : 0.003 Lux @ F1.6	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 Terminal Block	
PAN / TILT / ROTATE		
Pan Range	360° (Endless)	
Pan Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Tilt Range	200° (-10 ~ 190°)	
Tilt Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Preset	256ea	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3af Class 3)	
Power Consumption	DC12V : Max 10.6W / AC24V : Max 11.1W / PoE : Max 10.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø226.5mm x 224.1mm (Ø8.92" x 8.83")	
Weight	2.2kg (4.86lb)	



DIMENSIONS

(Unit - mm)



DC-S1283WHX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.3 - 129mm), 30x zoom
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 4), 12VDC, 24VAC
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.3 - 129.0mm	
Aperture	F1.6 - 5.0	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	
Min. Illumination	Color : 0.01 Lux @ F1.6 B/W : 0.0004 Lux @ F1.6	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 Terminal Block	
PAN / TILT / ROTATE		
Pan Range	360° (Endless)	
Pan Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Tilt Range	200° (-10 ~ 190°)	
Tilt Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Preset	256ea	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3at Class 4)	
Power Consumption	DC12V : Max 27.7W / AC24V : Max 26.5W / PoE : Max 23.7W (Heater On)	
Approvals	FCC, CE, KC, UL	
MECHANICAL		
Dimensions	Ø200mm x 199.5mm (Ø7.88" x 7.86")	
Weight	2.45kg (5.41lb)	



DIMENSIONS

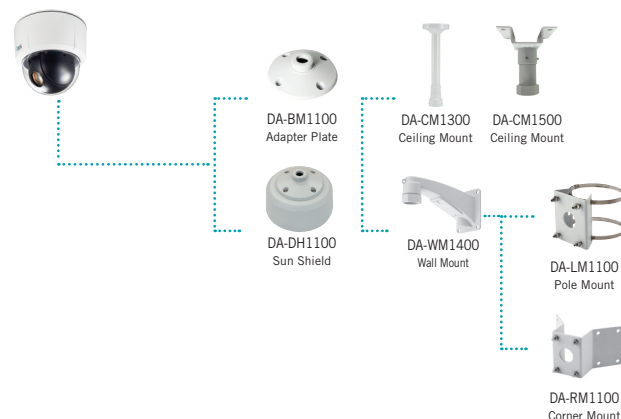
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



Full HD 30x Flush PTZ Camera

DC-S1283FX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.3 - 129mm), 30x zoom
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 3), 12VDC, 24VAC
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- Indoor enclosure
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.3 - 129.0mm	
Aperture	F1.6 - 5.0	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	
Min. Illumination	Color : 0.01 Lux @ F1.6 B/W : 0.0004 Lux @ F1.6	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 Terminal Block	
PAN / TILT / ROTATE		
Pan Range	360° (Endless)	
Pan Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Tilt Range	200° (-10 ~ 190°)	
Tilt Speed	0.02 ~ 180°/sec (Preset 420°/sec)	
Preset	256ea	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3af Class 3)	
Power Consumption	DC12V : Max 10.6W / AC24V : Max 11.0W / PoE : Max 10.5W	
Approvals	FCC, CE, KC, UL	
MECHANICAL		
Dimensions	Ø226.5mm x 224.1mm (Ø8.92" x 8.83")	
Weight	2.2kg (4.86lb)	



DIMENSIONS

(Unit - mm)



Full HD 30x IR PTZ Camera

DC-S1283WRX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.3 - 129mm), 30x zoom
- micro SD / SDHC
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- Built-in heater
- Day and night
- WDR
- Low light enhancer
- Digital image stabilization
- IR LED (Distance : 150m)
- Supports ONVIF

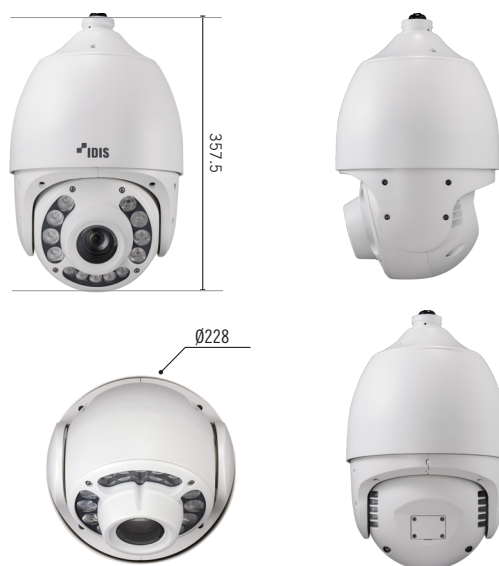


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.3 - 129.0mm	
Aperture	F1.6 - 5.0	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 65.0° (H), 38.5° (V), 72.9° (D) Tele : 2.3° (H), 1.4° (V), 2.6° (D)	
Min. Illumination	Color : 0.0088 Lux @ F1.6 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	150m (13ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	Yes (DIS)	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 Terminal Block	
PAN / TILT / ROTATE		
Pan Range	360° (Endless)	
Pan Speed	Pan: 0.02 ~ 120°/sec (Preset 250°/sec)	
Tilt Range	90° (0 ~ 90°)	
Tilt Speed	Tilt : 0.02 ~ 120°/sec (Preset 250°/sec)	
Preset	256ea	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	micro SD / SDHC	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	24VAC	
Power Consumption	AC24V : Max 58W (Heater On, IR LED On)	
Approvals	FCC, CE (50130-4), KC, UL	
MECHANICAL		
Dimensions	Ø228mm x 357.5mm (Ø8.98" x 14.07")	
Weight	6.1kg (13.44lb)	

DIMENSIONS

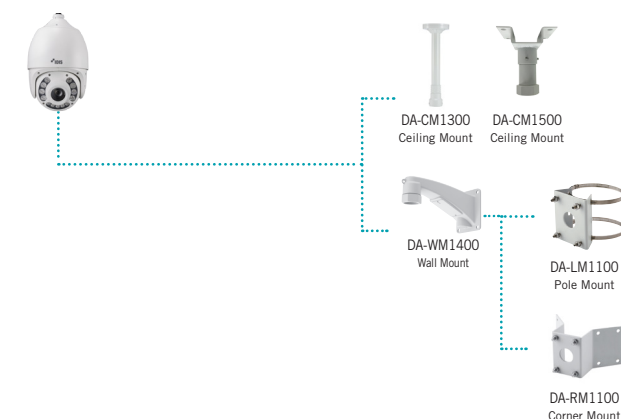
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD 18x Zoom Camera

DC-Z1163

- Easy installation with DirectIP NVR
- HD (720p) resolution
- AF optical zoom lens (f=4.7 - 84.6mm), 18x zoom
- SD/SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 0), 12VDC, 24VAC
- Day and night
- Supports ONVIF

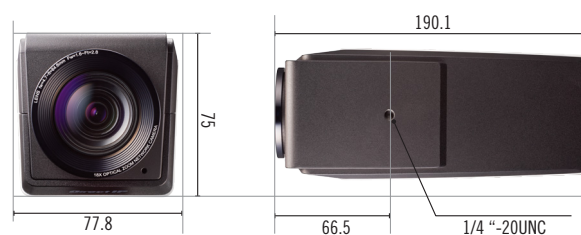


SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1280 x 720	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.7 - 84.6mm	
Aperture	F1.6 - 2.8	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 61.2° (H), 35.6° (V), 68.9° (D)	
	Tele : 3.6° (H), 2.1° (V), 4.1° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.6	
	B/W : 0.004 Lux @ F1.6	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBL	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1280 x 720	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1280 x 720, 704 x 480, 640 x 360, 352 x 240	1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaminging	Triple Streaminging
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	SD (SDHC)	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3af Class 0)	
Power Consumption	6W	
Approvals	FCC, CE (50130-4), KC	
MECHANICAL		
Dimensions	77.8mm x 75mm x 190.1mm (3.07" x 2.96" x 7.49")	
Weight	0.71kg (1.57lb)	

DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)

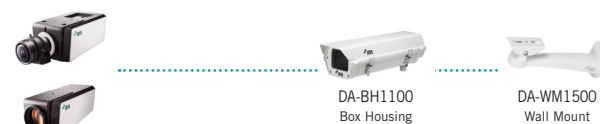


DA-BH1100



DA-WM1500

ACCESSORIES CONFIGURATION TREE



Full HD 18x Zoom Camera

DC-Z1263

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- AF optical zoom lens (f=4.7 - 84.6mm), 18x zoom
- SD/SDHC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 0), 12VDC, 24VAC
- Day and night
- Supports ONVIF



SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	AF Zoom Lens	
Focal Length	f=4.7 - 84.6mm	
Aperture	F1.6 - 2.8	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 61.2° (H), 35.6° (V), 68.9° (D)	
	Tele : 3.6° (H), 2.1° (V), 4.1° (D)	
Min. Illumination	Color : 0.1 Lux @ F1.6 B/W : 0.004 Lux @ F1.6	
Dynamic Range	74.7dB	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR	
Backlight Compensation	On / Off / HSBLC	
Mirroring / Pivot	Horizontal / Vertical	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Video Out	1 RCA	
NETWORK		
	DirectIP Mode	Compatibility Mode
Video Compression	H.264 (MP), M-JPEG	
Bitrate Control	H.264 - CBR / VBR	
Max. Frame Rate	30fps : 1920 x 1080	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Triple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100 BASE-T)	
Edge Storage	SD (SDHC)	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Buffering (Pre and Post)	Yes (Up to 60MB)	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	-	
Outdoor Ready	-	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, 24VAC, PoE (IEEE 802.3af Class 0)	
Power Consumption	6W	
Approvals	FCC, CE (50130-4), KC	
MECHANICAL		
Dimensions	77.8mm x 75mm x 190.1mm (3.07" x 2.96" x 7.49")	
Weight	0.71kg (1.57lb)	

DIMENSIONS

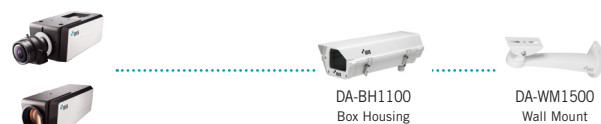
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



HD-TVI SOLUTION

Full HD Surveillance over coax

Direct CX

IDIS introduces DirectCX, the industry's most advanced analog HD solution. Based on High Definition Transfer Video Interface (HD-TVI) technology, IDIS incorporates its expertise in image processing to provide unrivaled HD recording performance at a lower cost.

Designed for simplicity, convenience, and performance, DirectCX is an optimal surveillance solution to meet the requirements of various applications in small sizes to more complex, larger installations.





HD-TVI DVRs

Model	Max. Throughput		Video Input	Video Output	Network Port	Alarm			Max. HDD		
	Live	Recording			Client	Input	Output	Reset In	SATA	eSATA	
TR-1104		120ips	40ips @ 1080p	4ch BNC	1 HDMI, 1 VGA	1G	4	1	-	2	-
TR-2104		120ips	120ips @ 1080p	4ch BNC	1 HDMI, 1 VGA	1G	4	1	-	2	-
TR-3108		240ips	120ips @ 1080p	8ch BNC	1 HDMI, 1 VGA, 1 BNC (Spot)	1G	8	2	1	4	1
TR-3116		480ips	240ips @ 1080p	16ch BNC	1 HDMI, 1 VGA, 1 BNC (Spot)	1G	16	2	1	4	1
TR-4108		240ips	240ips @ 1080p	8ch BNC	1 HDMI, 1 VGA, 1 BNC (Spot)	1G	8	4	1	4	1
TR-4116		480ips	480ips @ 1080p	16ch BNC	1 HDMI, 1 VGA, 1 BNC (Spot)	1G	16	4	1	4	1

IDIS Full HD DVR
TR-4116



HD-TVI CAMERAS

Model	Resolution	Image Sensor	Lens	TDN	IR LED	Outdoor Ready	Power Source
TC-B1202 	1920 x 1080	1/2.8"	Optional (C/CS Mount)	Yes (ICR)	-	-	12VDC, 24VAC
TC-D1212R 	1920 x 1080	1/2.8"	Fixed-focal (f=3.6mm)	Yes (ICR)	10m (18ea)	-	12VDC
TC-D1222R 	1920 x 1080	1/2.8"	Vari-focal (f=2.8mm - 12mm)	Yes (ICR)	30m (28ea)	-	12VDC, 24VAC
TC-D1222WR 	1920 x 1080	1/2.8"	Vari-focal (f=2.8mm - 12mm)	Yes (ICR)	30m (24ea)	IP66	12VDC, 24VAC
TC-E1212WR 	1920 x 1080	1/2.8"	Fixed-focal (f=3.6mm)	Yes (ICR)	10m (24ea)	IP66	12VDC
TC-T1222WR 	1920 x 1080	1/2.8"	Vari-focal (f=2.8mm - 12mm)	Yes (ICR)	40m (42ea)	IP66	12VDC, 24VAC

Direct CX



HD-TVI 4 Channel Full HD Recorder

TR-1104

- Supports HD-TVI / 960H / analog camera
- Up to 120ips HD recording
- Full HD display with HDMI and VGA output
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 8TB using 2 SATA interfaces
- Supports one click network configuration through FEN service

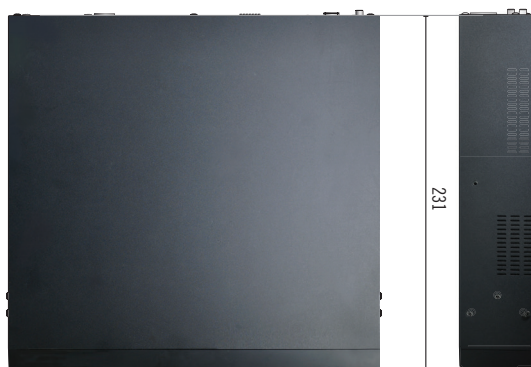


SPECIFICATIONS

VIDEO	
Video Inputs	4 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024
Display Speed	Up to 120ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	120ips @ 720p, 40ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 720p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 2 (Up to 4TB Capacity for Each Disk)
Total Capacity	8TB = 4TB x 2
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	4 In / 1 Relay Out
Alarm Reset In	-
Serial Interface	RS232 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3kg (5.1lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	DC 12V 1.5A
Power Consumption	18W
Approvals	FCC, CE

DIMENSIONS

(Unit - mm)



- | | |
|------------------------|--------------------|
| 1 Video Input | 7 Alarm Connection |
| 2 Audio In / Out | 8 RS-232 Port |
| 3 Factory Reset Button | 9 RS-485 Port |
| 4 HDMI Out Port | 10 Power In Port |
| 5 VGA Out Port | |
| 6 Network Port | |

HD-TVI 4 Channel Full HD Real-time Recorder

TR-2104

- Supports HD-TVI / 960H / analog camera
- Up to 240ips HD recording
- Full HD display with HDMI and VGA output
- Supports CVBS spot monitor
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 32TB using 4 SATA interfaces and 1 eSATA storage interface
- Supports one click network configuration through FEN service



SPECIFICATIONS

VIDEO	
Video Inputs	4 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024
Display Speed	Up to 120ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	120ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 2 (Up to 4TB Capacity for Each Disk)
Total Capacity	8TB = 4TB x 2
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	4 In / 1 Relay Out
Alarm Reset In	-
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	300mm x 62mm x 231mm (11.8" x 2.4" x 9.1")
Unit Weight	2.3kg (5.1lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	DC 12V 1.6A
Power Consumption	19.2W
Approvals	FCC, CE, KC

DIMENSIONS



(Unit - mm)



- | | |
|------------------------|--------------------|
| 1 Video Input | 7 Alarm Connection |
| 2 Audio In / Out | 8 RS-232 Port |
| 3 Factory Reset Button | 9 RS-485 Port |
| 4 HDMI Out Port | 10 Power In Port |
| 5 VGA Out Port | |
| 6 Network Port | |

HD-TVI 8 Channel Full HD Recorder

TR-3108

- Supports HD-TVI / 960H / analog camera
- Up to 240ips HD recording
- Full HD display with HDMI and VGA output
- Supports CVBS spot monitor
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 32TB using 4 SATA interfaces and 1 eSATA storage interface
- Supports one click network configuration through FEN service

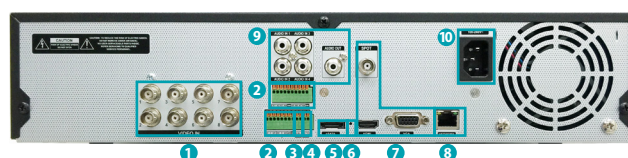
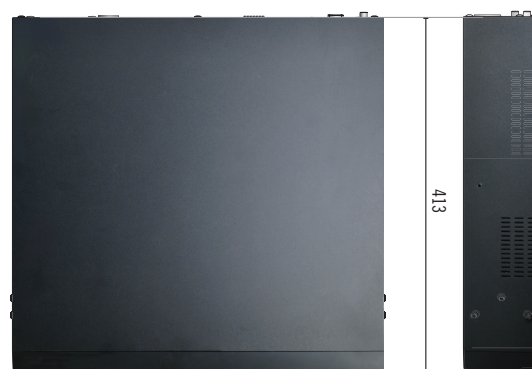


SPECIFICATIONS

VIDEO	
Video Inputs	8 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480 (NTSC), 720 x 576 (PAL)
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	240ips @ 720p, 120ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 720p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 4TB Capacity for Each Disk)
Total Capacity	32TB = 4TB x (4 + (1 x 4))
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	8 In / 2 Relay Out
Alarm Reset In	1
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 413mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.6 - 0.8A
Power Consumption	80W
Approvals	FCC, CE, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | |
|--------------------------|------------------------------|
| 1 Video Input | 7 SPOT / HDMI / VGA Out Port |
| 2 Alarm Connection Ports | 8 Network Port |
| 3 RS-485 Port | 9 Audio In / Out |
| 4 RS-232 Port | 10 Power In Port |
| 5 eSATA Port | |
| 6 Factory Reset Button | |

HD-TVI 16 Channel Full HD Recorder

TR-3116

- Supports HD-TVI / 960H / analog camera
- Up to 480ips HD recording
- Full HD display with HDMI and VGA output
- Supports CVBS spot monitor
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 32TB using 4 SATA interfaces and 1 eSATA storage interface
- Supports one click network configuration through FEN service

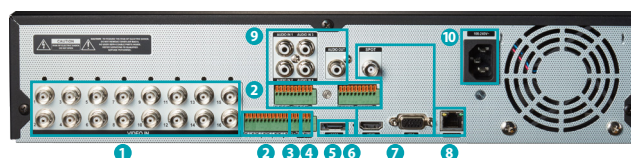
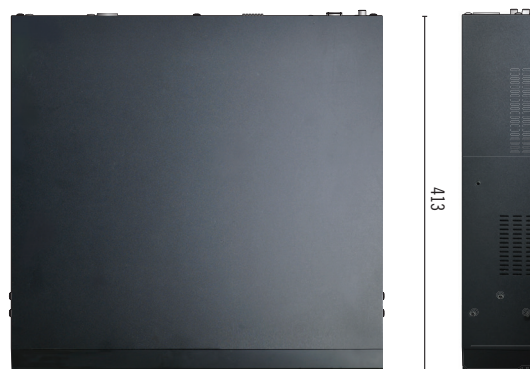


SPECIFICATIONS

VIDEO	
Video Inputs	16 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480 (NTSC), 720 x 576 (PAL)
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	480ips @ 720p, 240ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 720p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 4TB Capacity for Each Disk)
Total Capacity	32TB = 4TB x (4 + (1 x 4))
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	16 In / 2 Relay Out
Alarm Reset In	1
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 413mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.6 - 0.8A
Power Consumption	80W
Approvals	FCC, CE, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- 1 Video Input
- 2 Alarm Connection Ports
- 3 RS-485 Port
- 4 RS-232 Port
- 5 eSATA Port
- 6 Factory Reset Button
- 7 SPOT / HDMI / VGA Out Port
- 8 Network Port
- 9 Audio In / Out
- 10 Power In Port

HD-TVI 8 Channel Full HD Recorder

TR-4108

- Supports HD-TVI / 960H / analog camera
- Up to 240ips Full HD recording
- Full HD display with HDMI and VGA output
- Supports CVBS spot monitor
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 32TB using 4 SATA interfaces and 1 eSATA storage interface
- Supports one click network configuration through FEN service

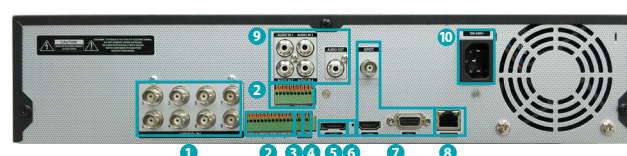
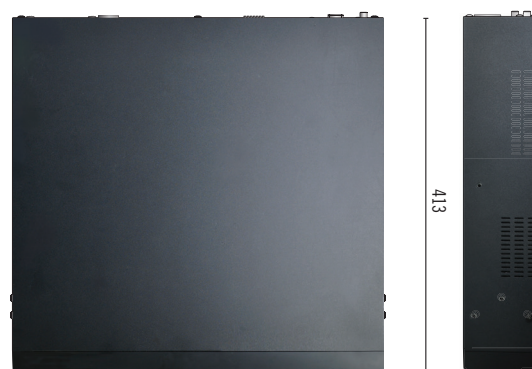


SPECIFICATIONS

VIDEO	
Video Inputs	8 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480 (NTSC), 720 x 576 (PAL)
Display Speed	Up to 240ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	240ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 4TB Capacity for Each Disk)
Total Capacity	32TB = 4TB x (4 + (1 x 4))
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	8 In / 4 Relay Out
Alarm Reset In	1
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 413mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.0 - 0.5A
Power Consumption	80W
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- | | |
|--------------------------|------------------------------|
| 1 Video Input | 7 SPOT / HDMI / VGA Out Port |
| 2 Alarm Connection Ports | 8 Network Port |
| 3 RS-485 Port | 9 Audio In / Out |
| 4 RS-232 Port | 10 Power In Port |
| 5 eSATA Port | |
| 6 Factory Reset Button | |

HD-TVI 16 Channel Full HD Recorder

TR-4116

- Supports HD-TVI / 960H / analog camera
- Up to 480ips Full HD recording
- Full HD display with HDMI and VGA output
- Supports CVBS spot monitor
- Long transmission distance over coax cable
- Supports HD-TVI camera OSD control over coax
- Expandable up to 32TB using 4 SATA interfaces and 1 eSATA storage interface
- Supports one click network configuration through FEN service

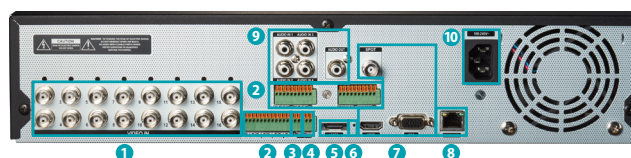
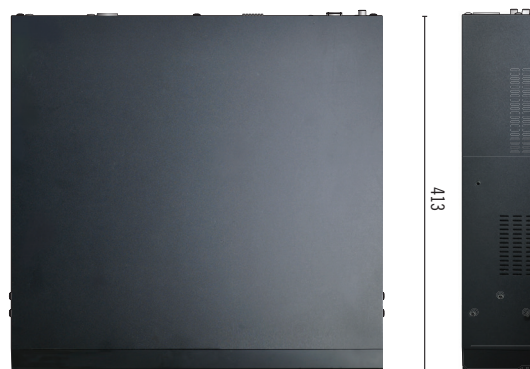


SPECIFICATIONS

VIDEO	
Video Inputs	16 BNC (Analog and HD-TVI)
Supported Camera Types	720p25, 720p30, 1080p25, 1080p30, CVBS (NTSC / PAL)
Video Outputs	1 HDMI, 1 VGA, 1 BNC (Spot)
Display Resolution	HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480 (NTSC), 720 x 576 (PAL)
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Recording Resolution	1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240
Frame Rate	480ips @ 1080p
Compression	H.264
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Motion Detection, Video Loss, Text-in
Performance	4ch 1080p Synchronous Playback
Search Mode	Time-lapse, Event Log, Motion, Text-in
Digital Zoom	x2 ~ x12
STORAGE	
HDD	SATA x 4, eSATA x 1 (Up to 4TB Capacity for Each Disk)
Total Capacity	32TB = 4TB x (4 + (1 x 4))
Data Export Device	USB HDD, USB Stick
NETWORK	
Client Connection	Gigabit Ethernet x 1
Transmission Speed	30ips @ D1 (NTSC / PAL)
Remote Data Export	IDIS Player, AVI, JPG
Event Notification	Email (Attach Clip (.cbf)), Callback to Remote S/W, Push Notification (IDIS Mobile), SNS (Twitter), NetFS (FTP)
Two-way Audio	Support
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web
INTERFACE	
Audio In / Out	4 RCA / 1 RCA + 1 HDMI
Alarm In / Out	16 In / 4 Relay Out
Alarm Reset In	1
Serial Interface	RS232, RS485 (Terminal Block), USB 2.0 x 2
User Interface	Mouse, IR Remote Control, Front Button, Network Remote Keyboard
GENERAL	
Operating System	Embedded Linux
Unit Dimensions (W x H x D)	430mm x 88mm x 413mm (16.9" x 3.5" x 16.3")
Unit Weight	6.0kg (13.2lb) (With 1 HDD)
Operating Temperature	5°C to 40°C (41°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 1.0 - 0.5A
Power Consumption	80W
Approvals	FCC, CE, KC, CB, UL, PSE

DIMENSIONS

(Unit - mm)



- 1 Video Input
- 2 Alarm Connection Ports
- 3 RS-485 Port
- 4 RS-232 Port
- 5 eSATA Port
- 6 Factory Reset Button
- 7 SPOT / HDMI / VGA Out Port
- 8 Network Port
- 9 Audio In / Out
- 10 Power In Port

TC-B1202

- Full HD (1080p) resolution
- C/CS mount lens
- Day and night
- WDR (15fps)
- Motion detection
- De-fog
- HSBLC
- OSD control over coax



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	C/CS Mount Lens
Iris Control	DC Auto Iris / Manual Iris
Min. Illumination	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0.1 Lux @ F1.4 (AGC MAX) 0.001 Lux @ F1.4 (AGC MAX, Sens-up Max)
Electronics Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Color / B/W / Extern
Smart IR (IR Optimizer)	-
White Balance	Auto (2,500K ~ 9,500K) / AWB (1,800K ~ 10,500K) / AWC—Set / Manual
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	x1 ~ x8
Sharpness	0 ~ 20 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	-
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	12VDC, 24VAC
Power Consumption	2.64W
MECHANICAL	
Dimensions (W x H x D)	58mm x 52mm x 123mm (2.29" x 2.05" x 4.85")

DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-BH1100



DA-WM1500

ACCESSORIES CONFIGURATION TREE



2MP Indoor IR Fixed Dome Camera

TC-D1212R

- Full HD (1080p) resolution
- Fixed-focal lens (f=3.6mm)
- Day and night
- WDR (15fps)
- Motion Detection
- De-fog
- HSBLC

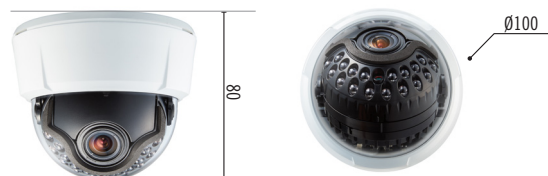


SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=3.6mm
Iris Control	Fixed Iris
Angular Field of View	92.6° (H), 54.6° (V), 120.0° (D)
Pan / Tilt Range	Pan : 0° ~ 340°, Tilt : 7° ~ 90°
Min. Illumination	Color : 0.3 Lux @ F1.2 B/W : 0 Lux (IR LED On)
Electronic Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
IR Distance (LEDs)	10m (18ea)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Day and Night / Ext
Smart IR (IR Optimizer)	0~15 Level Adjustable
White Balance	ATW (1,700K ~ 11,000K) / AWC→Set / Manual / AWB
Digital Noise Reduction	2D, 3DNR
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	Off / On (x2 ~ x8)
Sharpness	0~15 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	-
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	DC 12V
Power Consumption	4.56W
MECHANICAL	
Dimensions (W x H x D)	Ø100mm x 80mm (Ø3.94" x 3.15")

DIMENSIONS

(Unit - mm)



ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



DA-WM2150
Wall Mount

2MP Indoor IR Vari-focal Dome Camera

TC-D1222R

- Full HD (1080p) resolution
- Vari-focal lens (f=2.8mm - 12mm)
- Day and night
- WDR (15fps)
- Motion detection
- De-fog
- HSBLC
- Coaxial OSD control



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Vari-focal
Focal Length	f=2.8mm ~ 12mm
Iris Control	DC Auto Iris
Angular Field of View	Wide : 120.9° (H), 61.4° (V), 149.6° (D) Tele : 37.1° (H), 20.7° (V), 42.7° (D)
Pan / Tilt Range	Pan : 0° ~ 340°, Tilt : 7° ~ 90°
Min. Illumination	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)
Electronic Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
IR Distance (LEDs)	30m (28ea)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Color / B/W / Extern
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable
White Balance	Auto (2,500K ~ 9,500K) / AWB (1,800K ~ 10,500K) / AWC—Set / Manual
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	x1 ~ x8
Sharpness	0 ~ 20 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	-
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	12VDC, 24VAC
Power Consumption	4.8W
MECHANICAL	
Dimensions (W x H x D)	Ø130mm x 101.8mm (Ø5.12" x 4.01")

DIMENSIONS



(Unit - mm)

ACCESSORIES (OPTIONAL)



DA-WM2150

ACCESSORIES CONFIGURATION TREE



2MP Outdoor IR Vari-focal Dome Camera

TC-D1222WR

- Full HD (1080p) resolution
- Vari-focal lens (f=2.8mm - 12mm)
- Day and night
- WDR (15fps)
- Motion detection
- De-fog
- HSBLC
- Vandal proof / IP66 supports
- Coaxial OSD control
- DC-D2233WR

SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Vari-focal
Focal Length	f=2.8mm ~ 12mm
Iris Control	DC Auto Iris
Angular Field of View	Wide : 120.9° (H), 61.4° (V), 149.6° (D) Tele : 37.1° (H), 20.7° (V), 42.7° (D)
Pan / Tilt Range	Pan : 0° ~ 340°, Tilt : 7° ~ 90°
Min. Illumination	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)
Electronic Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
IR Distance (LEDs)	30m (24ea)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Color / B/W / Extern
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable
White Balance	Auto (2,500K ~ 9,500K) / AWB (1,800K ~ 10,500K) / AWC—Set / Manual
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	x1 ~ x8
Sharpness	0 ~ 20 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	IP66
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	12VDC, 24VAC
Power Consumption	4.8W
MECHANICAL	
Dimensions (W x H x D)	Ø150.5mm x 98.8mm (Ø5.93" x 3.89")

DIMENSIONS

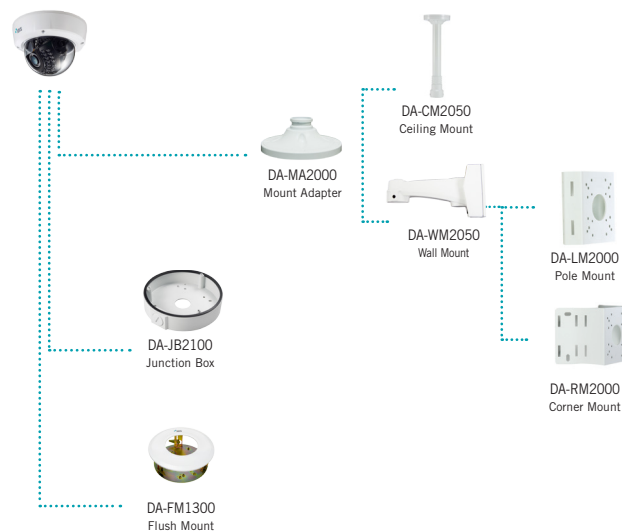
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



TC-E1212WR

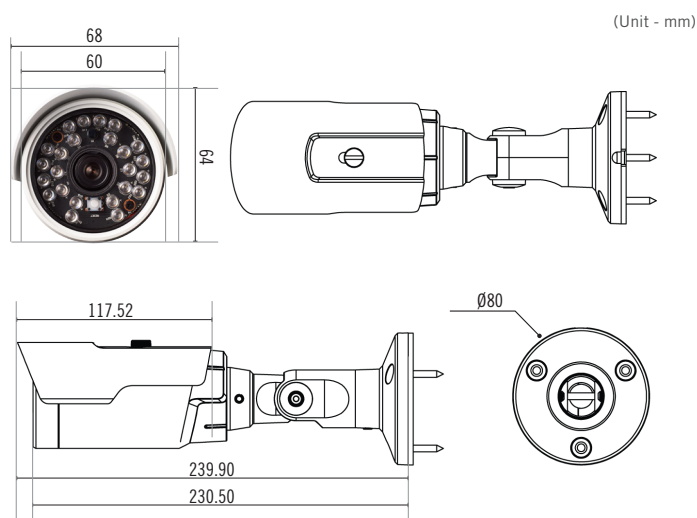
- Full HD (1080p) resolution
- Fixed-focal lens (f=3.6mm)
- Day and night
- WDR (15fps)
- Motion detection
- De-fog
- HSBLC
- Vandal proof / IP66 supports
- Coaxial OSD control



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	f=3.6mm
Iris Control	Fixed Iris
Angular Field of View	92.6° (H), 54.6° (V), 120.0° (D)
Min. Illumination	Color : 0.9 Lux @ F1.8 B/W : 0 Lux (IR LED On)
Electronic Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
IR Distance (LEDs)	10m (24ea)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Color / B/W / Extern
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable
White Balance	Auto (2,500K ~ 9,500K) / AWB (1,800K ~ 10,500K) / AWC—Set / Manual
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	x1 ~ x8
Sharpness	0 ~ 20 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	IP66
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	DC 12V
Power Consumption	6W
MECHANICAL	
Dimensions (W x H x D)	68mm x 64mm x 239.9mm (2.68" x 2.52" x 9.44")

DIMENSIONS



2MP Outdoor Vari-focal Bullet Camera

TC-T1222WR

- Full HD (1080p) resolution
- Vari-focal lens (f=2.8mm - 12mm)
- Day and night
- WDR (15fps)
- Motion detection
- De-fog
- HSBLC
- Vandal proof / IP66 supports
- Coaxial OSD control



SPECIFICATIONS

VIDEO	
Image Sensor	1/2.8" Sony 2Mega Exmor CMOS Sensor
Effective Pixels	1984 (H) x 1105 (V), 2.19MP
Total Pixels	2000 (H) x 1121 (V), 2.24MP
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Vari-focal
Focal Length	f=2.8mm - 12mm
Iris Control	DC Auto Iris
Angular Field of View	Wide : 120.9° (H), 61.4° (V), 149.6° (D) Tele : 37.1° (H), 20.7° (V), 42.7° (D)
Min. Illumination	Color : 0.3 Lux @ F1.4 (AGC MAX) B/W : 0 Lux (IR LED On)
Electronic Shutter Speed	Auto / Manual (1/30, 1/25Sec ~ 1/30000Sec) / Flicker
Day and Night	Yes (ICR)
IR Distance (LEDs)	40m (42ea)
Video Out	1 HD BNC, 1 SD BNC
FUNCTION	
AGC	0 ~ 20 Level Adjustable
Brightness	0 ~ 20 Level Adjustable
Sens-up	Off / x2 ~ x32
WDR	Off / On (Low, Middle, High / 15 Frame)
BLC	Off / On
HSBLC	1 ~ 20 Level Adjustable (All Day / Night Only)
ACE (D-WDR / ATR-EX)	Off / Low / Middle / High
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Day and Night	Auto (AGC) / Color / B/W / Extern
Smart IR (IR Optimizer)	0 ~ 20 Level Adjustable
White Balance	Auto (2,500K ~ 9,500K) / AWB (1,800K ~ 10,500K) / AWC→Set / Manual
Digital Noise Reduction	2D + 3DNR (Off / Low / Middle / High)
Mirror	Mirror, V-flip
D-ZOOM (EZOOM)	x1 ~ x8
Sharpness	0 ~ 20 Level Adjustable
De-fog	Off / On
GAMMA Correction	R = 0.45 ~ 0.65
Lens Shading (LSC)	Off / On
ENVIRONMENTAL	
Outdoor Ready	IP66
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%)
Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F) (Humidity : 0% ~ 90%)
ELECTRICAL	
Power Source	12VDC, 24VAC
Power Consumption	7.2W
MECHANICAL	
Dimensions (W x H x D)	95mm x 80mm x 265mm (3.75" x 3.15" x 10.43")

DIMENSIONS

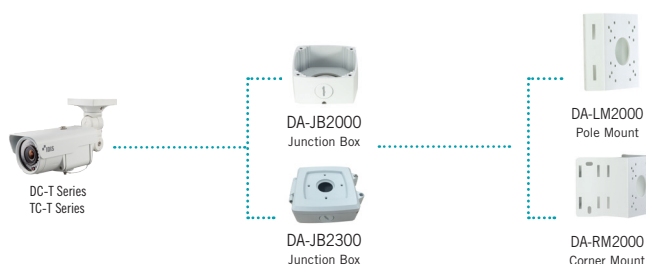
(Unit - mm)



ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE







Direct View

SURVEILLANCE DISPLAYS

IDIS offers a complete line of surveillance-grade monitors designed to meet stringent demands from the IP surveillance industry.

Combining our expertise in image processing technology and in-depth understanding of the video surveillance industry, IDIS surveillance monitors provide an array of surveillance-oriented features allowing longer lifetime, anti image-sticking, energy saving, and VESA compliances. Our exclusive range of surveillance monitors feature industry-leading UHD to Full HD resolution in various sizes.

84" UHD Surveillance LCD Monitor

SM-U841

- UHD resolution (3840 x 2160)
- Slim and space-saving design
- VESA-compliant mounting
- Rugged aluminum structure
- Clear motion display with S-IPS panel
- Anti-glare coating
- Wide viewing angle (178°)
- Lifetime up to 50,000 hours
- Low power consumption
- HDMI / DP / VGA / DVI / Audio / RS232

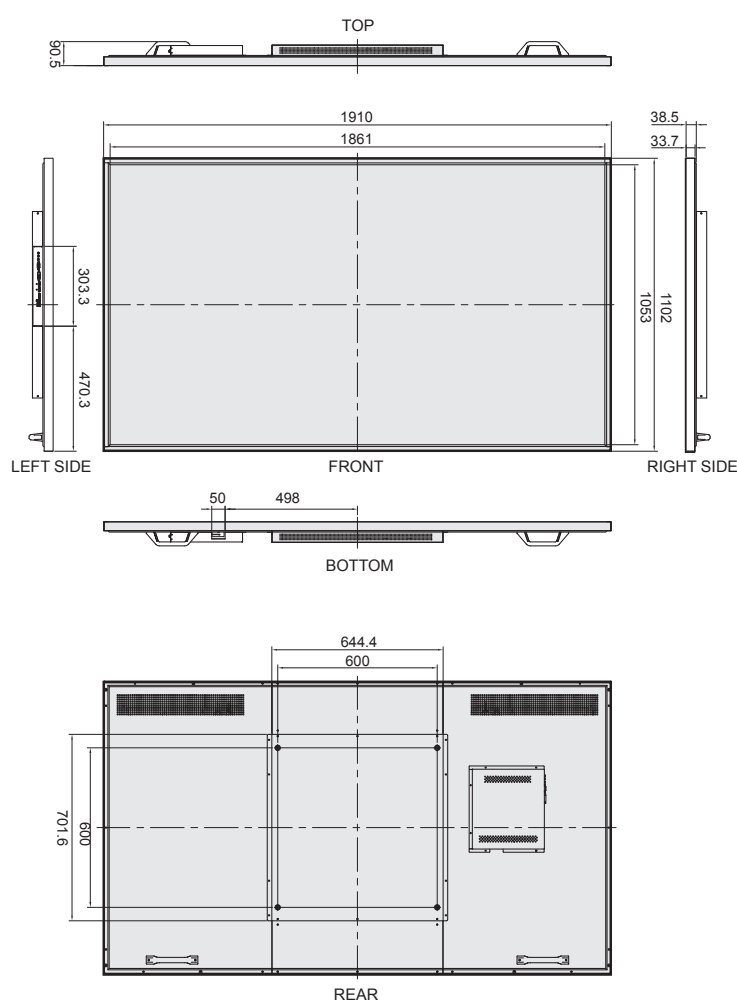


SPECIFICATIONS

PANEL	
Screen Size	84"
Active Display Area	1860.48mm (H) x 1046.52mm (V)
Max. Resolution	UHD (3840 x 2160)
Panel Technology	In-plane Switching
Anti-glare	Yes
Pixel Pitch	0.4845mm (H) x 0.4845mm (V)
Brightness	250 cd/m2
Contrast Ratio	750:1
Aspect Ratio	16:9
Viewing Angle (H / V)	178° / 178°
Display Color	1.06 Billion
Response Time	8ms
Refresh Rate	120Hz
INTERFACE	
HDMI In	2 (HDMI 1.4)
Display Port	1 (1.1a Ver.)
VGA In	1
DVI In	1
Audio Input	1 (3.5 Stereo Jack)
Audio Output	1 (3.5 Stereo Jack)
BNC Video In	-
RS232	1
GENERAL	
Outline Dimensions (W x H x D)	1910mm x 1102mm x 90.5mm (75.2" x 43.3" x 3.5")
Bezel	-
Net Weight	68kg (150lb)
Material / Color	Metal / Black
Warranty - Parts / Labor	3 Year / 3 Year
MTBF	50,000 Hours
Power Supply	AC 100 ~ 240V 50/60Hz
Power Consumption	500W
Power Savings (DPMS)	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Built-in Speakers	Yes (10W x 2)
Remote Control	Yes
VESA Mount Size	600mm x 600mm / M8 Screw
EXTERNAL CONTROLS	
IR Sensor (For Remote Control)	Detachable
Serial In / Out	RS232-C Daisy Chain
USB	For Firmware Update

DIMENSIONS

(Unit - mm)



VW-F551

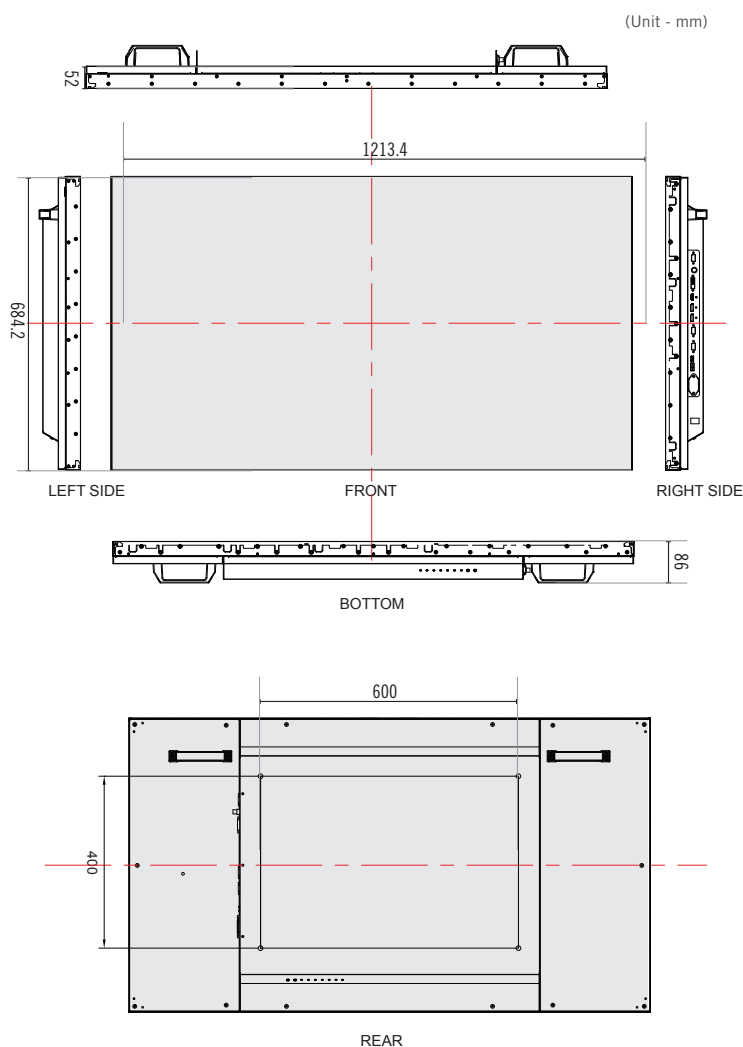
- Ultra narrow bezel for seamless viewing (3.6mm bezel-to-bezel)
- Full HD resolution (1920 x 1080)
- VESA-compliant mounting
- Clear motion display with S-IPS panel
- Anti-glare coating
- Wide viewing angle (178°)
- Lifetime up to 60,000 hours
- Low power consumption
- HDMI / DP / VGA / DVI / BNC / RS232

SPECIFICATIONS

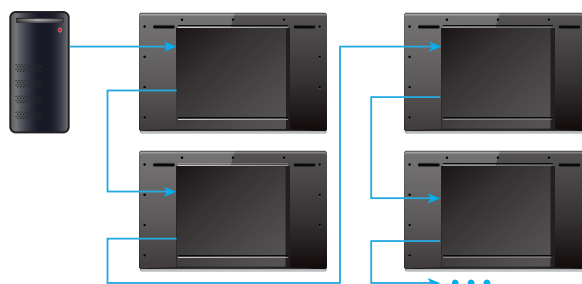
PANEL	
Screen Size	55"
Active Display Area	1209.6mm (H) x 680.4mm (V)
Max. Resolution	Full HD (1920 x 1080)
Panel Technology	In-plane Switching
Anti-glare	Yes
Pixel Pitch	0.63mm (H) x 0.63mm (V)
Brightness	500 cd/m2
Contrast Ratio	1400:1
Aspect Ratio	16:9
Viewing Angle (H / V)	178° / 178°
Display Color	1.06 Billion
Response Time	12ms
Refresh Rate	60Hz
INTERFACE	
HDMI In	1
Display Port	1 (1.1a Ver.) Input / 1 (1.1a Ver.) Output
VGA In	1
DVI In	1
Audio Input	-
Audio Output	-
BNC Video In	1
RS232	1
GENERAL	
Outline Dimensions (W x H x D)	1213.4mm x 684.2mm x 86mm (47.7" x 26.9" x 3.3")
Bezel	3.6mm Bezel-to-Bezel-
Net Weight	24kg (52.9lb)
Material / Color	Metal / Black
Warranty - Parts / Labor	3 Year / 3 Year
MTBF	60,000 Hours
Power Supply	AC 110 ~ 127V 50/60Hz, 220 ~ 240 50/60Hz
Power Consumption	240W
Power Savings (DPMS)	Yes
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)
Storage Temperature	0°C ~ 40°C (32°F ~ 104°F)
Built-in Speakers	-
Remote Control	Yes
VESA Mount Size	600mm x 400mm / M8 Screw
EXTERNAL CONTROLS	
IR Sensor (For Remote Control)	Built-in
Serial In / Out	RS232-C Daisy Chain
USB	For Firmware Update



DIMENSIONS



PRODUCT IMAGES



NETWORK ACCESSORIES

Complete accessory line up

Compliments the IDIS IP surveillance system

By providing various DirectIP attachments and accessories, customers can minimise expensive training requirements and save on installation time. Quick, convenient, and affordable implementation of DirectIP-based network surveillance solutions is enabled through the range of network attachments and accessories, including PoE injectors, IP to fiber optic converters, SFP modules, eSATA storage devices, remote controllers, and so on. With our video encoder, users can connect conventional analog cameras to DirectIP NVRs. This enables the easy integration of existing analog systems that are seen as one complete system, ensuring full flexibility for all types of applications.





Presets

Focus

Auto Pan

Stop

Menu

Exit

Light On

Off

Tour

Stop

Pattern

Stop

Aux On

Off

Home

Alarm Reset

Reset All

Ins

Out

ESC

1

2

3

4

5

6

7

8

9

0

SHIFT

MACRO

CAM

MON

DEV

PANE

F1

F2

F3

F4

F5

F6

F7

F8

Start 19:00
Past Mode 00

Grid

Zoom In

Zoom Out

Stop

Play

Pause

Reset

Help

Exit

Back

Forward

Home

DirectIP 4 Channel Encoder

DE-1104

- Specialized in DirectIP NVR
- Supports PTZ with RS485 port
- Supports 4 audio input ports
- Supports quadruple stream
- Supports 4 analog camera input ports

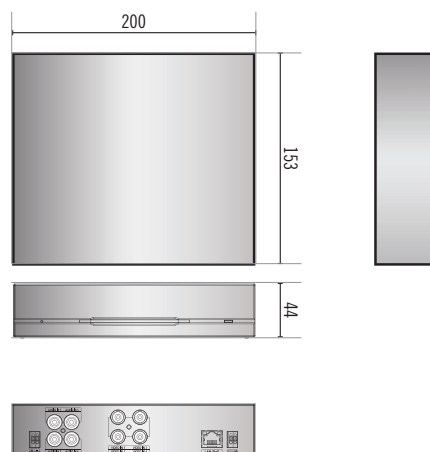
SPECIFICATIONS

ENCODER	
Video Compression	H.264
Video Input	4 BNC Composite
Max. Video Resolution	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)
Frame Rate	30ips @ 960H (Per Channel)
Multi Streaming Video	Quadruple Stream
Max. Network Throughput	48Mbps
Audio In / Out	4 RCA / -
PTZ Support	Yes (RS485)
Trigger Events	Motion Detection, Video Loss, Tampering
DirectIP Support	Yes
GENERAL	
Dimensions (W x H x D)	200mm x 44mm x 153mm (7.9" x 1.7" x 6.0")
Weight	0.84kg (1.85lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
PoE (Class)	Yes (IEEE 802.3af Class 3)
Power Input	12VDC, PoE
Power Consumption	10W
Approvals	FCC, CE



DIMENSIONS

(Unit - mm)



DirectIP 8 Channel Encoder

DE-1108

- Specialized in DirectIP NVR
- Supports PTZ with RS485 port
- Supports 4 audio input ports
- Supports quadruple stream
- Supports 8 analog camera input ports

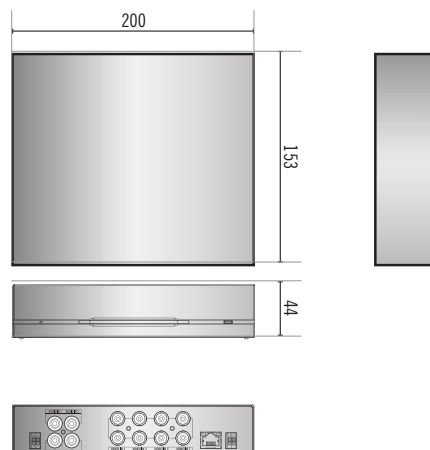
SPECIFICATIONS

ENCODER	
Video Compression	H.264
Video Input	8 BNC Composite
Max. Video Resolution	D1 : 720 x 480 / 720 x 576 (NTSC / PAL) 960H : 960 x 480 / 960 x 576 (NTSC / PAL)
Frame Rate	30ips @ 960H (Per Channel)
Multi Streaming Video	Quadruple Stream
Max. Network Throughput	64Mbps
Audio In / Out	4 RCA / -
PTZ Support	Yes (RS485)
Trigger Events	Motion Detection, Video Loss, Tampering
DirectIP Support	Yes
GENERAL	
Dimensions (W x H x D)	200mm x 44mm x 153mm (7.9" x 1.7" x 6.0")
Weight	0.84kg (1.85lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
PoE (Class)	Yes (IEEE 802.3af Class 3)
Power Input	12VDC, PoE
Power Consumption	10W
Approvals	FCC, CE



DIMENSIONS

(Unit - mm)



DD-1116

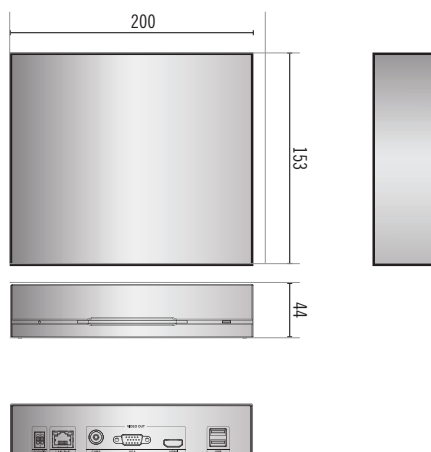
- Specialized in DirectIP NVR
- Supports DirectIP NVR
- Supports HDMI, VGA, CVBS port
- Up to 4 channel Full HD display
- Up to 16 channel real-time display

SPECIFICATIONS

DECODER	
Video Compression	H.264
Video Input	16ch IP
Supported Devices	DirectIP NVR
Video Outputs	1 HDMI, 1 VGA, 1 CVBS
Display Resolution	HDMI, VGA : 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 CVBS : 640x480
Display Speed	Up to 480ips
Max. Network Throughput	48Mbps
Network Connection	Gigabit Ethernet x 1
GENERAL	
Dimensions (W x H x D)	200mm x 44mm x 153mm (7.9" x 1.7" x 6.0")
Weight	0.84kg (1.85lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
PoE (Class)	Yes (IEEE 802.3af Class 0)
Power Input	12VDC, PoE
Power Consumption	8W
Approvals	FCC, CE

DIMENSIONS

(Unit - mm)



DirectIP 10 Port PoE Switch

DH-2010P

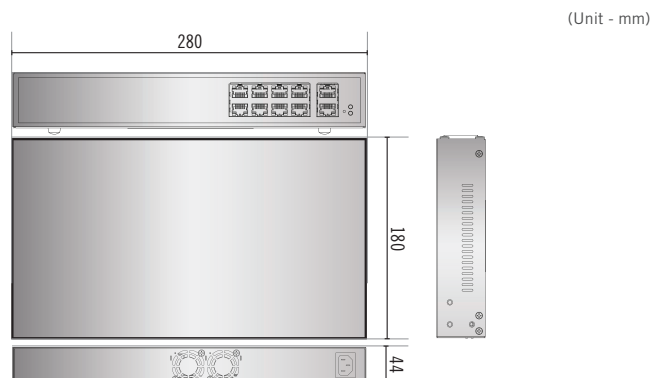
- Individual port for data transmission to DirectIP NVR
- PoE (IEEE 802.3af, IEEE 802.3at) compliant
- Maximum per-device PoE delivery of 70W available for 1 ~ 8 RJ45 ports
- Central power control for greater network utility
- Supports 10 RJ45 ports

SPECIFICATIONS

SYSTEM	
CPU	Embedded MIPS
System Memory	256MB SDRAM, 32MB Flash
Switching Capacity	5.6Gbps
CONNECTIVITY	
Copper Service Port	8 RJ45 Connectors (10/100 BASE-T)
Copper Uplink Port	2 RJ45 Connectors (10/100/1000 BASE-T)
Optical Uplink Port	-
PoE POWER	
Supported Standards	IEEE 802.3af-2003 / IEEE 802.3at-2009
PD Connection	Up to 8 IEEE 802.3af PDs or Up to 2 IEEE 802.3at PDs
PSE Power Budget	70W
GENERAL	
Dimensions (W x H x D)	280mm x 44mm x 180mm (11.0" x 1.7" x 7.1")
Weight	1.35kg (2.97lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
Power Input	AC100-240V, 2.0~1.0A, 50/60Hz
Power Consumption	90W
Approvals	FCC, CE, KC, UL, CB



DIMENSIONS



DirectIP 18 Port PoE Switch

DH-2018P

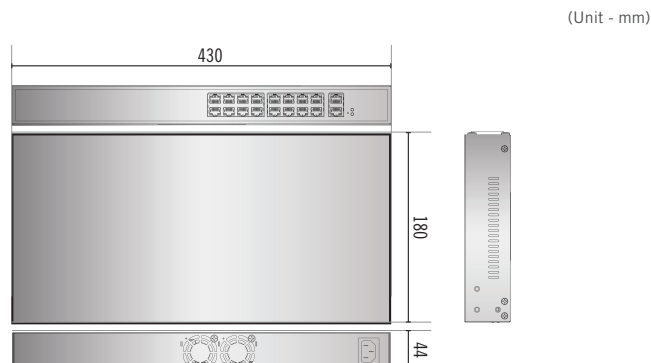
- Individual port data transmission to DirectIP NVR
- PoE (IEEE 802.3af, IEEE 802.3at) compliant
- Maximum per-device PoE delivery of 140W available for 1 ~ 16 RJ45 ports
- Central power control for greater network utility
- Supports 16 RJ45 ports

SPECIFICATIONS

SYSTEM	
CPU	Embedded MIPS
System Memory	256MB SDRAM, 32MB Flash
Switching Capacity	7.2Gbps
CONNECTIVITY	
Copper Service Port	16 RJ45 Connectors (10/100 BASE-T)
Copper Uplink Port	2 RJ45 Connectors (10/100/1000 BASE-T)
Optical Uplink Port	-
PoE POWER	
Supported Standards	IEEE 802.3af-2003 / IEEE 802.3at-2009
PD Connection	Up to 16 IEEE 802.3af PDs or Up to 4 IEEE 802.3at PDs
PSE Power Budget	140W
GENERAL	
Dimensions (W x H x D)	430mm x 44mm x 180mm (17.0" x 1.7" x 7.1")
Weight	2.05kg (4.52lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
Power Input	AC100-240V, 2.0~1.0A, 50/60Hz
Power Consumption	160W
Approvals	FCC,CE,KC,UL,CB



DIMENSIONS



DirectIP Gigabit PoE switch

DH-2212PF

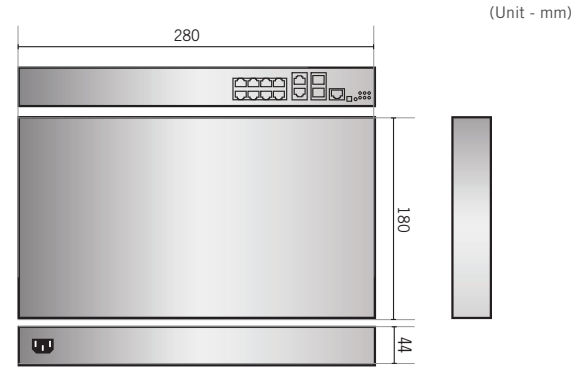
- Individual port for data transmission to DirectIP NVR
- PoE (IEEE 802.3af, IEEE 802.3at) compliant
- Maximum per-device PoE delivery of 140W available for 1 ~ 8 RJ45 ports
- Central power control for greater network utility
- Supports 10 RJ45 ports and 2 SFP slots



SPECIFICATIONS

SYSTEM	
CPU	Embedded MIPS
System Memory	256MB SDRAM, 32MB Flash
Switching Capacity	24Gbps
CONNECTIVITY	
Copper Service Port	8 RJ45 Connectors (10/100/1000 BASE-T)
Copper Uplink Port	2 RJ45 Connectors (10/100/1000 BASE-T)
Optical Uplink Port	2 SFP Slot (1000 BASE-X)
PoE POWER	
Supported Standards	IEEE 802.3af-2003 / IEEE 802.3at-2009
PD Connection	Up to 8 IEEE 802.3af PDs or Up to 4 IEEE 802.3at PDs
PSE Power Budget	140W
GENERAL	
Dimensions (W x H x D)	280mm x 44mm x 180mm (11.0" x 1.7" x 7.1")
Weight	1.55kg (3.42lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
Power Input	AC100-240V, 2.0~1.0A, 50/60Hz
Power Consumption	160W
Approvals	FCC, CE, KC, UL, CB

DIMENSIONS



DirectIP 28 Port Gigabit PoE switch

DH-2128PF

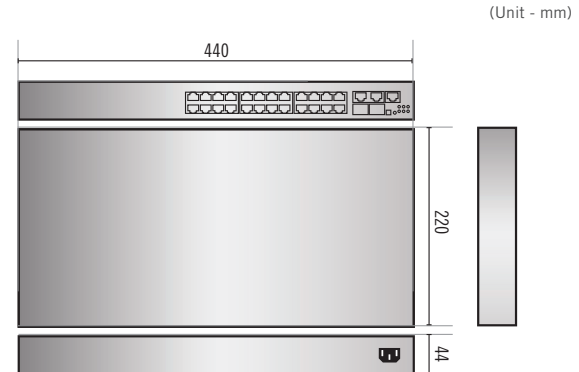
- Individual port data transmission to DirectIP NVR
- PoE (IEEE 802.3af, IEEE 802.3at) compliant
- Maximum per-device PoE delivery of 400W available for 1 ~ 24 RJ45 ports
- Central power control for greater network utility
- Supports 26 RJ45 ports and 2 SFP slots



SPECIFICATIONS

SYSTEM	
CPU	56Gbps
System Memory	128MB SDRAM, 32MB Flash
Switching Capacity	56Gbps
CONNECTIVITY	
Copper Service Port	24 RJ45 Connectors (10/100/1000 BASE-T)
Copper Uplink Port	2 RJ45 Connectors (10/100/1000 BASE-T)
Optical Uplink Port	2 SFP Slot (1000 BASE-X)
PoE POWER	
Supported Standards	IEEE 802.3af-2003 / IEEE 802.3at-2009
PD Connection	Up to 24 IEEE 802.3af PDs or Up to 13 IEEE 802.3at PDs
PSE Power Budget	400W
GENERAL	
Dimensions (W x H x D)	440mm x 44mm x 220mm (17.3" x 1.7" x 8.7")
Weight	3.13kg (6.90lb)
Operation Temperature	-20°C ~ +50°C (-4°F ~ 122°F)
Power Input	AC100-240V, 50-60Hz, 4.8A
Power Consumption	450W
Approvals	FCC, CE, KC

DIMENSIONS



Network Keyboard

NK-1100

- Remote control of NVRs, network video transmitters, network video receivers, and network cameras via network connection
- Control of NVRs by using a USB mouse via network connection
- Two-way audio communication
- Convenient firmware upgrades via either the USB port or ethernet
- Firmware duplication and auto-recovery functions to enhance system stability
- Management of multiple network keyboards via network connection
- Programmable by using the LCD screen



SPECIFICATIONS

COMMUNICATION	
Interface	RS485 (Terminal Block), Ethernet (RJ45)
Baud Rate	300bps ~ 115,200bps
Supports Protocols	Over 70 Sorts of PTZ Protocol (IDIS, Panasonic, Pelco, Samsung, etc.)
Supports Devices	IP Camera, NVR, IDIS Solution Suite
Display	LCD (2 Line)
USB	1 Port
Audio In / Out	1 (3.5mm) / 1 (3.5mm)
Component	Joystick + Main Control Board
S/W Upgrade	USB, Network
Set-up Program	IDIS Discovery
GENERAL	
Dimensions (W x H x D)	377mm x 95mm x 178mm (14.8" x 3.7" x 7.0")
Weight	1.1kg (2.43lb)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
Power Input	DC 5V, 3A
Approvals	FCC, CE, KC

eSATA Storage

DA-ES1104

- 19" rack mount type
- Best combination with DirectIP NVR
- Supports RAID levels 0, 1 + 0, 5
- SATA-to-SATA port multiplier
- Maximum of 3.0Gbps transfer rate (SATA II)
- Installation of the maximum of four hard disk drives
- Maximized space saving and capacity relative to cost
- Easy expansibility to a very large storage pool

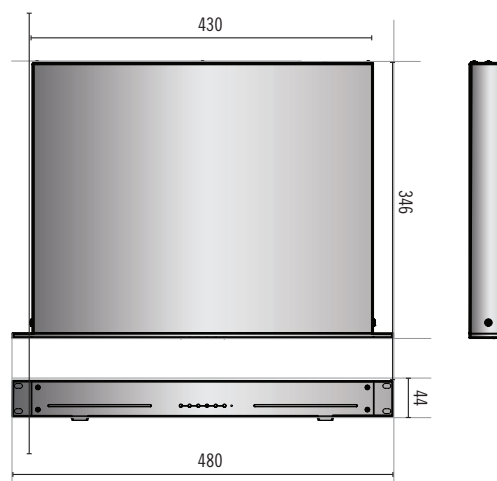


SPECIFICATIONS

HARDWARE	
Interface	eSATA x 1
Number of Drives	SATA II x 4
Drive Size	3.5"
Drive Type	SATA II
PERFORMANCE	
Type and Rate	SATA II (3Gbps)
RAID	0, 1 + 0, 5
Max Drive Capacity	16TB (Up to 4TB Per Bay)
GENERAL	
Dimensions (W x H x D)	480mm x 44mm x 346mm (18.9" x 1.7" x 13.6")
Weight	6.4kg (14.11lb)
Operation Temperature	0°C ~ 45°C (32°F ~ 113°F)
Power Input	100V ~ 240VAC, 0.6-0.3A, 50/60Hz
Power Consumption	Max. 40W
Approvals	FCC, CE

DIMENSIONS

(Unit - mm)



Single Port PoE Injector

DA-PI2101

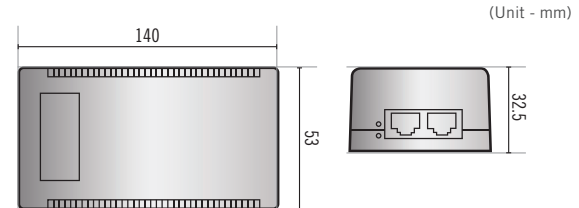
- Up to 30W of PoE power feeding on two pairs
- Compatible with IEEE 802.3af, IEEE 802.3at
- Protects low power devices to receive only the power they need
- Automatic detection and protection of non-standard ethernet terminals
- Parallel slide-in design for easy installation

SPECIFICATIONS

RJ45 ETHERNET INTERFACE DATA IN	
Port	1ch
Connectivity	RJ45, Auto-MDI / MDI-X Sensing
Wire Type	CAT5 or Better
Distance	Up to 100m
Speed	10/100 BASE-T
RJ45 ETHERNET INTERFACE PoE	
Port	1ch
P-in Assignment and Polarity	4/5 (+), 7/8 (-)
PSE Power	55V DC, Max. 30W
Distance	Up to 100m
Speed	10/100/1000 BASE-T
PSE	IEEE 802.3at
GENERAL	
Dimensions (W x H x D)	53mm x 32.5mm x 140mm (2.1" x 1.3" x 5.5")
Weight	200g (0.44lb)
Operation Temperature	-15°C ~ +45°C (5°F ~ 113°F)
Power Input	100 ~ 240V AC, 0.8A
Approvals	FCC, CE, KC



DIMENSIONS



Single Port PoE Repeater

DA-PR1101

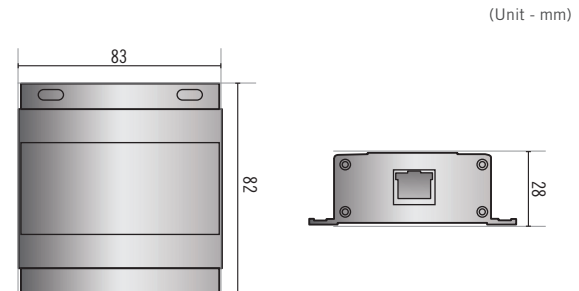
- Compatible with IEEE 802.3af
- Supports data transfer up to 130m distance
- A maximum distance of 490m can be achieved between the NVR and camera via three DA-PR1101 ethernet extenders
- Supports PoE switch off function via PoE on / off switch
- Supports plug-and-play without setting up special IP addresses

SPECIFICATIONS

PoE IN	
Input Port	RJ45 (10/100 BASE-T)
Connected Devices	NVR / PoE Switch
LEDs	Data, PoE
PoE Out	RJ45 (10/100 BASE-T)
OUTPUT PORT	
PSE	IEEE 802.3af
Distance	A Maximum Distance of 490m Can Be Achieved Between the NVR and Camera via Three DA-PR1101 Ethernet Extenders
LEDs	Data, PoE
GENERAL	
Dimensions (W x H x D)	82mm x 28mm x 83mm (3.2" x 1.1" x 3.3")
Weight	118g (0.26lb)
Operation Temperature	0°C ~ 60°C (32°F ~ 140°F)
Certification	FCC, CE, KC



DIMENSIONS



DA-MC1101

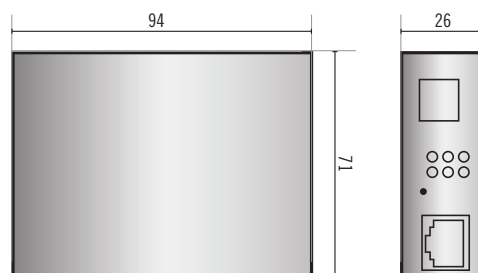
- Supports automatic negotiation feature
- Supports automatic MDI / MDI-X detection
- Supports LED status indicators
- Mode switching using DirectIP switches

SPECIFICATIONS

RJ45 ETHERNET INTERFACE	
Connectivity	RJ45, Auto-MDI / MDI-X Sensing
Wire Type	CAT5 or Better
Distance	Up to 100m
Speed	10/100/1000 BASE-T
SFP SLOT INTERFACE	
Connectivity	SFP Slot
Wire Type	Fiber Optic
Speed	1000 BASE-LX, 1000 BASE-SX
GENERAL	
Dimensions (W x H x D)	71mm x 26mm x 94mm (2.8" x 1.0" x 3.7")
Weight	160g (0.35lb)
Operation Temperature	0°C to + 50°C
Power Input	5V DC 1.6A
Power Consumption	3.4W
Approvals	FCC, CE, KC

DIMENSIONS

(Unit - mm)



SFP Transceiver

FTLF1318P3BTL FTLF8519P3BNL

FTLF1318P3BTL

- Up to 10km on 9/125μm SMF
- Up to 1.25Gbs bi-directional data links
- Hot-pluggable SFP footprint
- 1310nm Fabry-Perot laser transmitter
- Compatibility with DH Series and DA-MC1101

FTLF8519P3BNL

- Up to 500m on 50/125μm MMF, 300m on 62.5/125μm MMF
- Up to 2.125 Gbs bi-directional data links
- Hot-pluggable SFP footprint
- 850nm oxide VCSEL laser transmitter
- Compatibility with DH Series and DA-MC1101

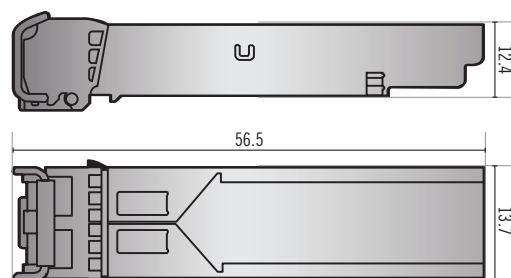


SPECIFICATIONS

FTLF1318P3BTL	
Optical Center Wavelength	1265 to 1600nm
Output Opt. Power	-9.5 to -3dBm
Average RX Sensitivity @ 1.25Gbs	-19
Data Rate	1.062Gbs to 1.25Gbs
FTLF8519P3BNL	
Optical Center Wavelength	830 to 860nm
Output Opt. Power	-9 to -2.5dBm
Average RX Sensitivity @ 2.125Gbs	-17
Data Rate	1.062Gbs, 1.25Gbs, 2.125Gbps
GENERAL	
Dimensions (W x H x D)	13.7mm x 12.4mm x 56.6mm (0.5" x 0.5" x 2.2")
Weight	17.5g (0.04lb)
Operation Temperature	0°C to + 85°C
Approvals	FCC, CE, KC

DIMENSIONS

(Unit - mm)

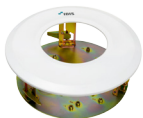




CAMERA
ACCESSORIES

CAMERA MOUNTS

Type	Model		Dimensions (mm)	Weight	Relevant Models
Mount Adapter	DA-MA2000		Ø144.6mm x 56.3mm (L) (Ø5.7" x 2.2" (L))	0.22kg (0.49lb)	DA-AP2000, DC-D2233W, DC-D2233WR, DC-D2233WHR, TC-D1222WR
	DA-MA2100		Ø167.2mm x 70.2mm (L) (Ø6.59" x 2.77" (L))	0.28kg (0.62lb)	DC-D1122W, DC-D1122WR, DC-D1123W, DC-D1123WR, DC-D1123WHR, DC-D1223W, DC-D1223WR, DC-D1223WHR, DC-D1223WX, DC-D1323WHR, DC-D2212WR, DC-D2233WHX, DC-3 Sereis, DC-Y1514, DC-Y1514W
Wall Mount	DA-WM2050		224.0mm (L) x 110.5mm (W) x 78.5mm (H) (8.82" (L) x 4.39" (W) x 3.1" (H))	0.6kg (1.35lb)	DA-MA2000, DA-MA2100
	DA-WM2150		148.5mm (L) x 132mm (W) x 47mm (H) (5.91" (L) x 5.12" (W) x 1.58" (H))	0.25kg (0.56lb)	DC-D1111, DC-D1212R, DC-D2212R, DC-D2233, DC-D2233R, DC-D3212X, DC-D3212RX, TC-D1222R
	DA-WM1400		267mm (L) x 116mm (W) x 140mm (H) (10.52" (L) x 4.57" (W) x 5.52" (H))	1.3kg (2.87lb)	DA-BM1100, DA-DH1100, DC-S1283WRX
	DA-WM1500		300mm (L) x 80mm (W) x 133.2mm (H) (11.82" (L) x 3.15" (W) x 5.25" (H))	0.27kg (0.6lb)	DA-BH1100
Ceiling Mount	DA-CM1300		390mm (L) x 148mm (W) x 116mm (H) (15.36" (L) x 5.82" (W) x 4.57" (H))	0.95kg (2.1lb)	DA-BM1100, DA-DH1100, DC-S1283WRX
	DA-CM1500		168mm (L) x 148mm (W) x 116mm (H) (6.61" (L) x 5.82" (W) x 4.57" (H))	0.56kg (1.25lb)	DA-BM1100, DA-DH1100, DC-S1283WRX
	DA-CM2050		Ø144.6mm x 308.1mm - 518mm (L) (Ø5.7" x 12.13" - 20.4" (L))	0.55kg (1.22lb)	DA-MA2000, DA-MA2100
Pole Mount	DA-LM2000		100mm (L) x 45mm (W) x 110mm (H) (3.94" (L) x 1.78" (W) x 4.34" (H))	0.3kg (0.67lb)	DA-WM2050, DA-JB2000, DC-T Series, TC-T Series
	DA-LM1100		156mm (L) x 136mm (W) x 50mm (H) (6.15" (L) x 5.36" (W) x 1.97" (H))	1kg (2.21lb)	DA-WM1400

Type	Model		Dimensions (mm)	Weight	Relevant Models
Corner Mount	DA-RM2000		165mm (L) x 55mm (W) x 110mm (H) (6.5" (L) x 2.17" (W) x 4.34" (H))	0.47kg (1.04lb)	DA-WM2050, DA-JB2000, DC-T Series, TC-T Series
	DA-RM1100		337.8mm (L) x 140mm (W) x 199.1mm (H) (13.29" (L) x 5.52" (W) x 7.83" (H))	2.8kg (6.18lb)	DA-WM1400
Flush Mount	DA-FM1300		Ø210mm x 87mm (L) (Ø8.27" x 3.43" (L))	0.65kg (1.44lb)	DC-D1122, DC-D1122R, DC-D1122W, DC-D1122WR, DC-D1123, DC-D1123R, DC-D1123W, DC-D1123WR, DC-D1123WHR, DC-D1223, DC-D1223R, DC-D1223W, DC-D1223WR, DC-D1223WX, DC-D1223WHR, DC-D1323R, DC-D1323WHR, DC-D2233, DC-D2233R, DC-D2233W, DC-D2233WR, DC-D2233WHR, DC-D3 Series, TC-D1222R, TC-D1222WR
Adapter Plate	DA-BM1100		Ø154mm x 50mm (L) (Ø6.06" x 1.97" (L))	0.2kg (0.45lb)	DC-S1163WH, DC-S1263WH, DC-S1293WHX
	DA-AP2000		Ø166mm x 12.8mm (L) (Ø6.5" x 0.5" (L))	0.2kg (0.45lb)	DC-D1122, DC-D1122R, DC-D1123, DC-D1123R, DC-D1223, DC-D1223R, DC-D1323R
Junction Box	DA-JB2000		90mm (L) x 90mm (W) x 56mm (H) (3.55" (L) x 3.55" (W) x 2.2" (H))	0.2kg (0.45lb)	DC-T Series, TC-T Series
	DA-JB2100		152.3mm (L) x 150.5mm (W) x 38.0mm (H) (6" (L) x 5.93" (W) x 1.49" (H))	0.32kg (0.71lb)	DC-D2233W, DC-D2233WR, DC-D2233WHR, TC-D1222WR
	DA-JB2200		Ø155mm x 33.3mm (L) (Ø6.11" x 1.31" (L))	0.35kg (0.78lb)	DC-D2212WR, DC-D2233WHX, DC-D3 Series, DC-Y1514, DC-Y1514W
	DA-JB2300		155mm (W) x 138.5mm (D) x 52.5mm (H) (6.10" (W) x 5.45" (D) x 2.07" (H))	0.8kg (1.79lb)	DC-T Series, TC-T Series
Box Housing	DA-BH1100		438.1mm (L) x 147.2mm (W) x 107.3mm (H) (17.25" (L) x 5.8" (W) x 4.23" (H))	1.2kg (2.65lb)	DC-B Series, DC-Z Series, TC-B Series
Sun Shield	DA-DH1100	 (DA-BM1100 included)	Ø233.9mm x 158.4mm (L) (Ø9.20" x 6.22" (L))	0.45kg (1.0lb)	DC-S1163WH, DC-S1263WH, DC-S1293WHX

CONFIGURATION TREE

BOX / ZOOM



DA-BH1100
Box Housing



DA-WM1500
Wall Mount

- DC-B Series : DC-B1101, DC-B1103, DC-B1203, DC-B1203X, DC-B1303, DC-B3303X, DC-B1803
- DC-Z Series : DC-Z1163, DC-Z1263
- TC-B Series : TC-B1202

SPEED DOME (1)



DA-BM1100
Adapter Plate



DA-DH1100
Sun Shield
(DA-BM1100 included)



DA-CM1300
Ceiling Mount



DA-CM1500
Ceiling Mount



DA-WM1400
Wall Mount



DA-LM1100
Pole Mount



DA-RM1100
Corner Mount

- DC-Series : DC-S1163WH, DC-S1263WH, DC-S1283WHX

SPEED DOME (2)



· DC-Series : DC-S1283WRX



DA-CM1300
Ceiling Mount



DA-CM1500
Ceiling Mount



DA-WM1400
Wall Mount



DA-LM1100
Pole Mount



DA-RM1100
Corner Mount

DOME (1)



· DC-D Series : DC-D1111, DC-D1212R, DC-D2212R, DC-D3212X, DC-D3212RX
· TC-D Series : TC-D1212R



DA-WM2150
Wall Mount

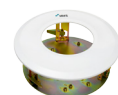
DOME (1-1)



· DC-D Series : DC-D2233, DC-D2233R
· TC-D Series : TC-D1222R

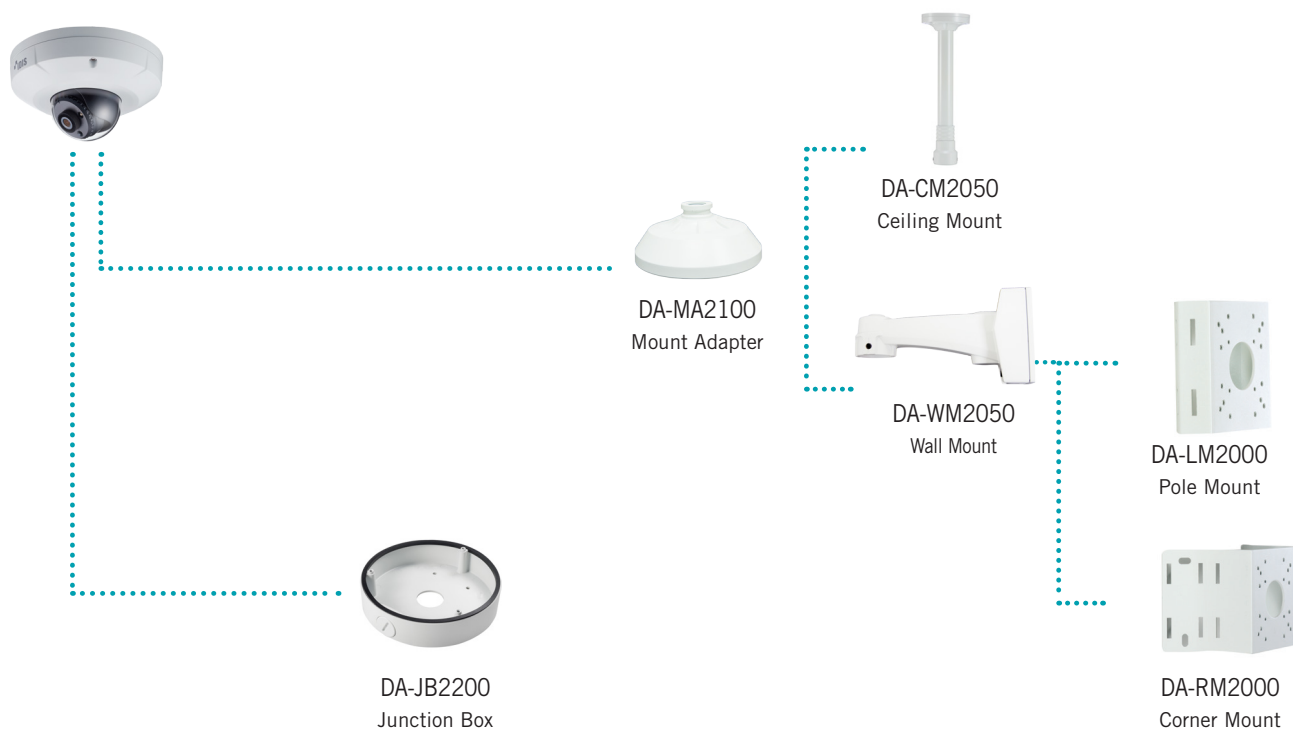


DA-WM2150
Wall Mount



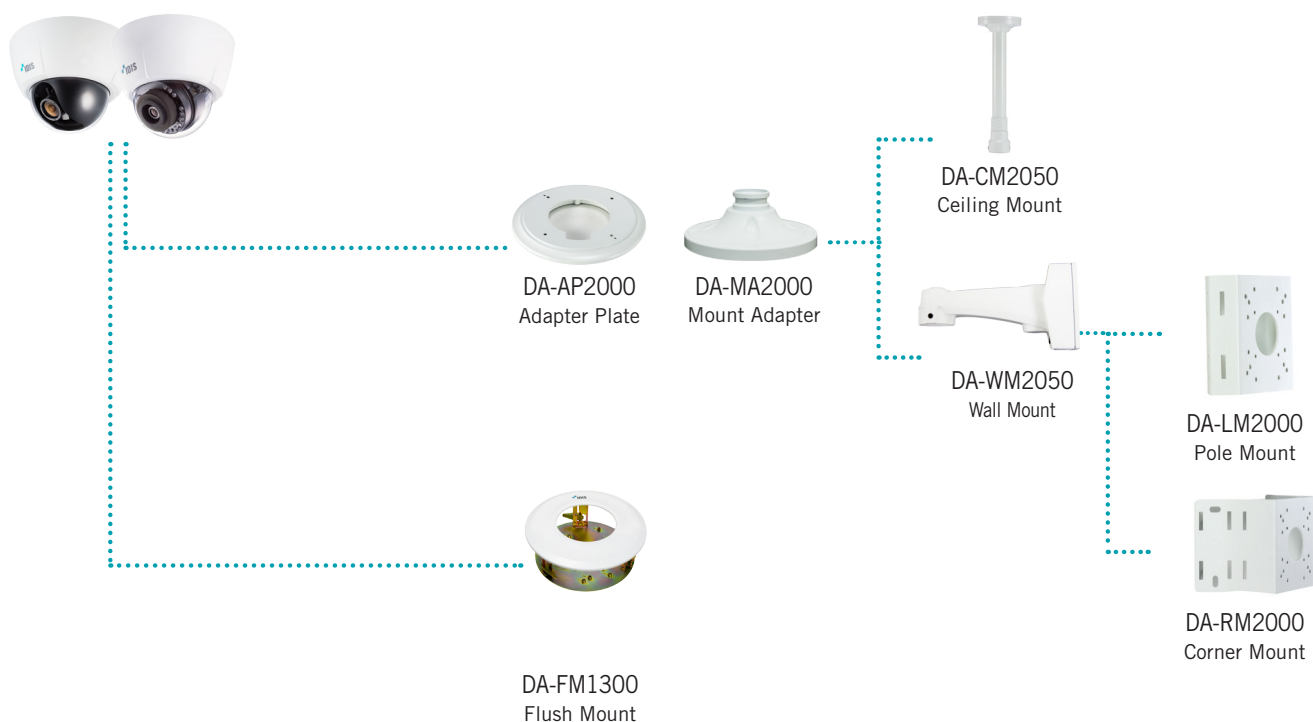
DA-FM1300
Flush Mount

DOME (2)



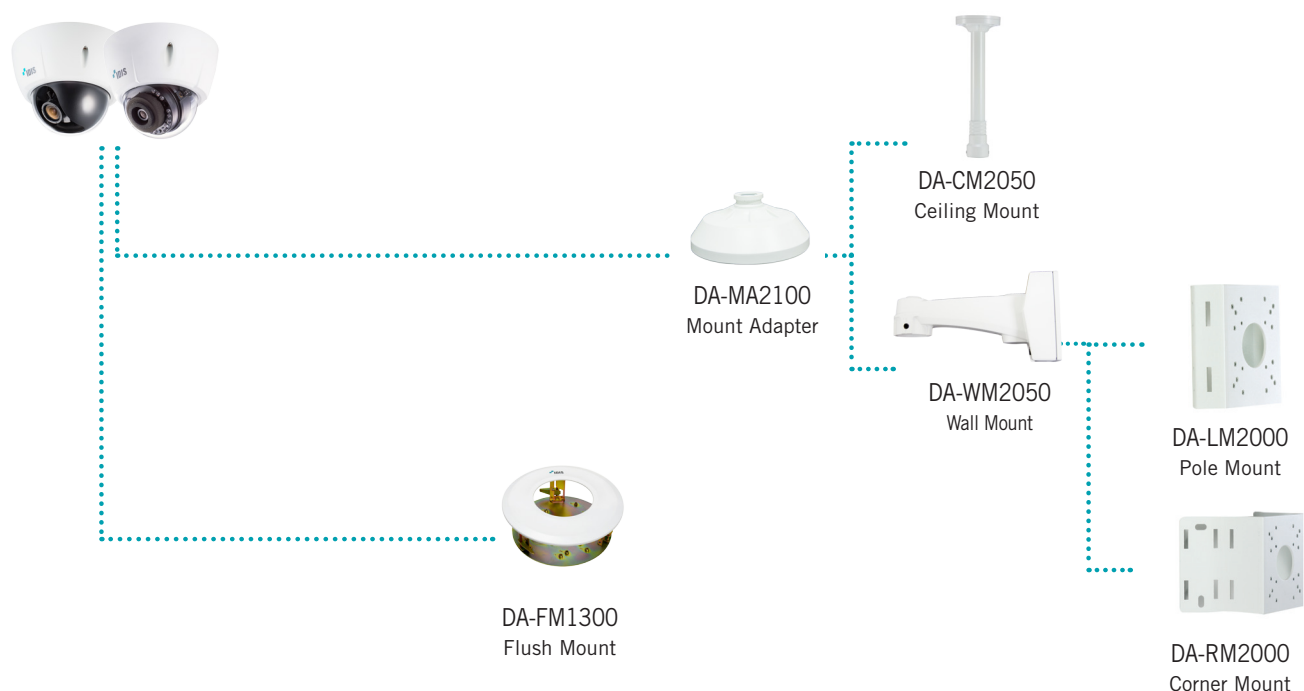
· DC-D Series : DC-D2212WR

DOME (3)



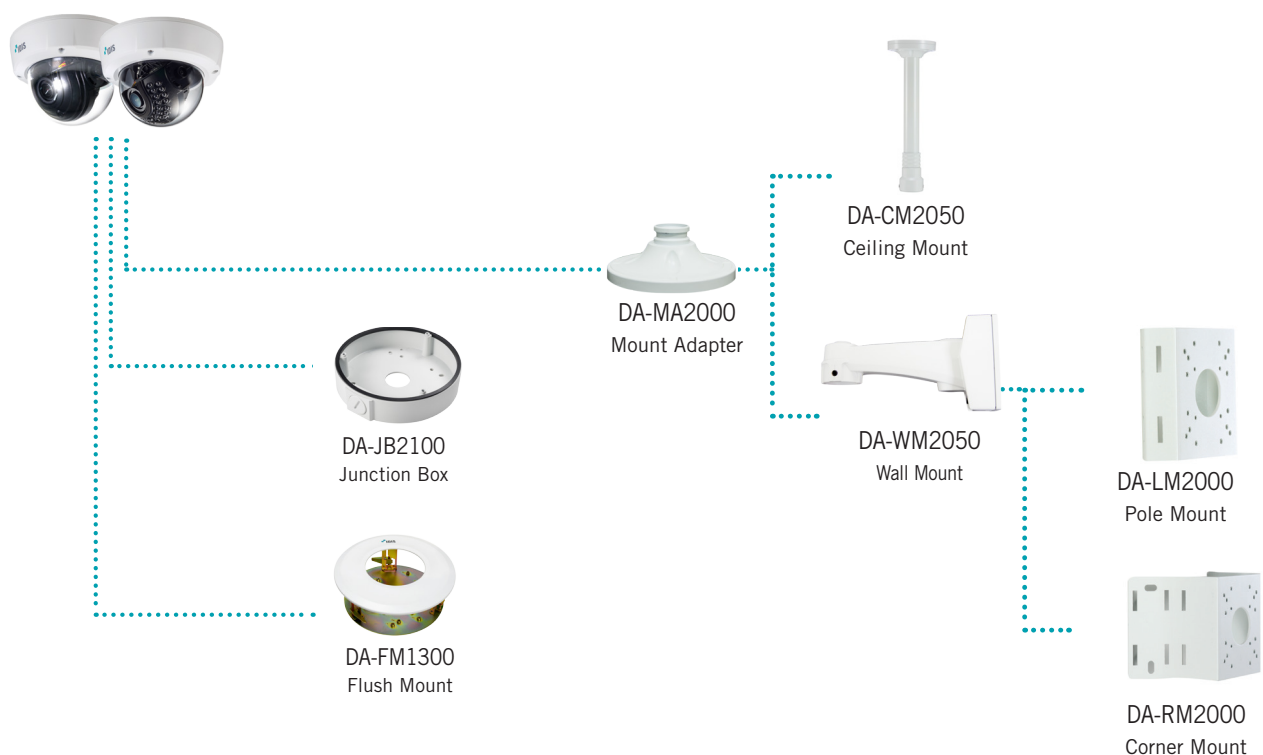
· DC-D Series : DC-D1122, DC-D1122R, DC-D1123, DC-D1123R, DC-D1223, DC-D1223R, DC-D1323R

DOME (4)



· DC-D Series : DC-D1122W, DC-D1122WR, DC-D1123W, DC-D1123WR, DC-D1123WHR, DC-D1223W, DC-D1223WR, DC-D1223WX, DC-D1223WHR, DC-D1323WHR

DOME (5)



· DC-D Series : DC-D2233W, DC-D2233WR, DC-D2233WHR

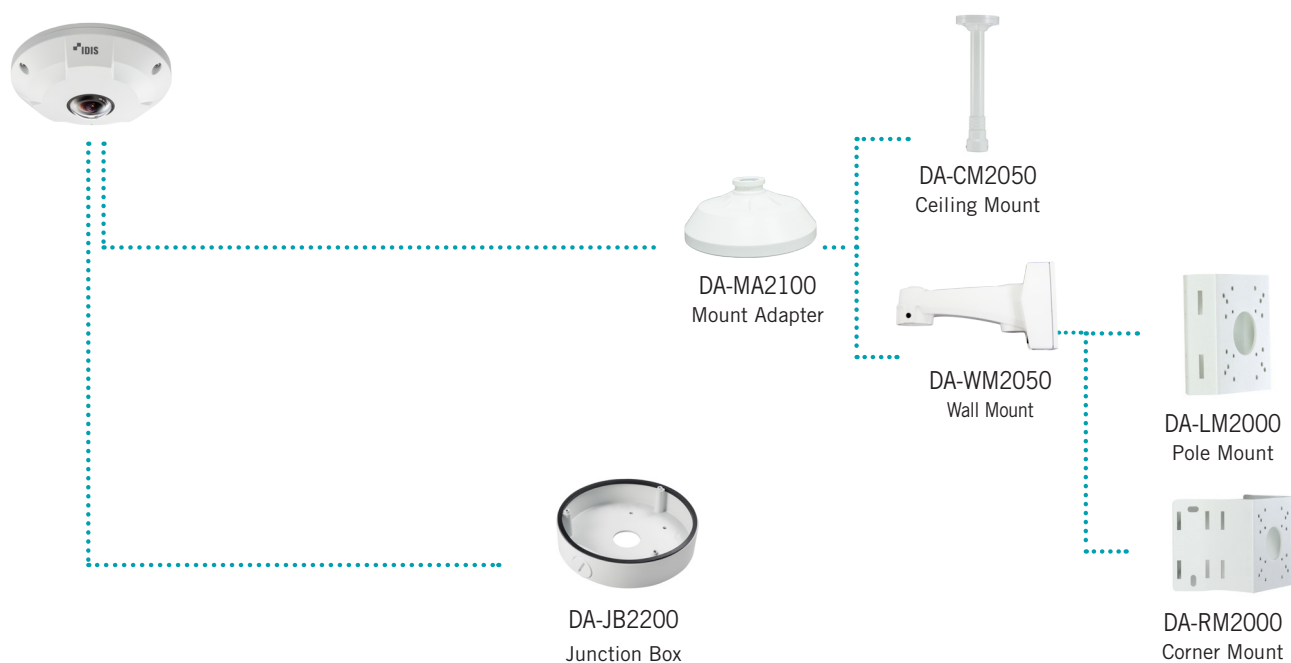
· TC-D Series : TC-D1222WR

DOME (6)



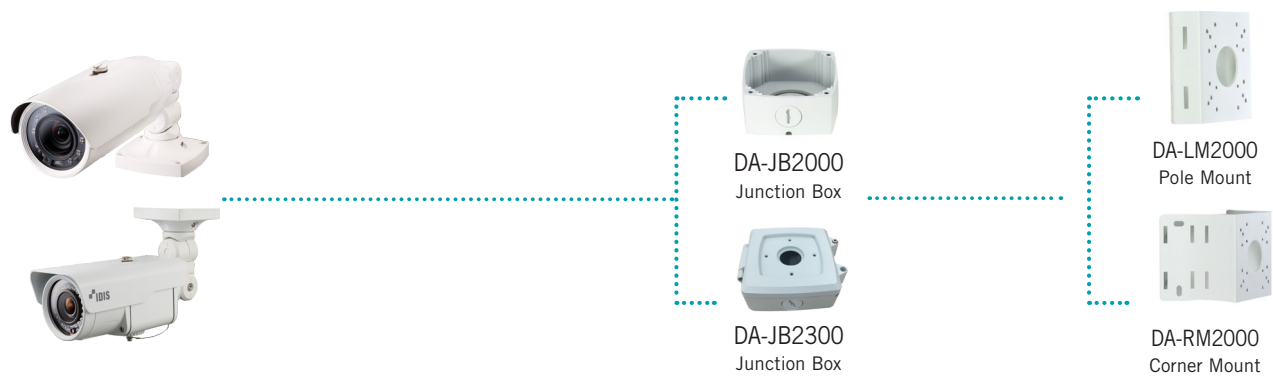
· DC-D Series : DC-D2233WHX, DC-D3233X, DC-D3233RX, DC-D3233WRX

DOME (7)



· DC-Y Series : DC-Y1514, DC-Y1514W

BULLET



- DC-T Series : DC-T1232WR, DC-T1233WHR, DC-T1233WHX, DC-T1234WR, DC-T3233HRX, DC-T3243HRX, DC-T1833WHR
- TC-T Series : TC-T1222WR





SOFTWARE SOLUTIONS

Powerful and convenient package

Software solutions to build and operate network security systems

IDIS provides complete network software solutions that can be developed to meet the needs of user applications from single location to multi-sites, from simple monitoring requirements to more complex interactive communication systems, and from small to medium sized businesses to multi-national companies. IDIS Solution Suite is a fully integrated, enterprise-level VMS solution that provides unparalleled flexibility, control, and security with intuitively designed GUI. IDIS Center provides users with remote management software to install, configure, integrate, and operate DirectIP NVRs without licensing fees or complexity. IDIS Web and IDIS Mobile allow users to maximize advantages of Full HD video surveillance, connectivity, and remote access on PC or mobile devices.

IDIS SOLUTION SUITE

IDIS Solution Suite is a highly scalable and fully integrated network video surveillance solution.

IDIS Solution Suite is suitable for both large enterprise customers as well as smaller surveillance operations for home security and small business. IDIS Solution Suite Compact provides an intuitive GUI for the installers unfamiliar with IT networks and the powerful recording features are available without license fees.

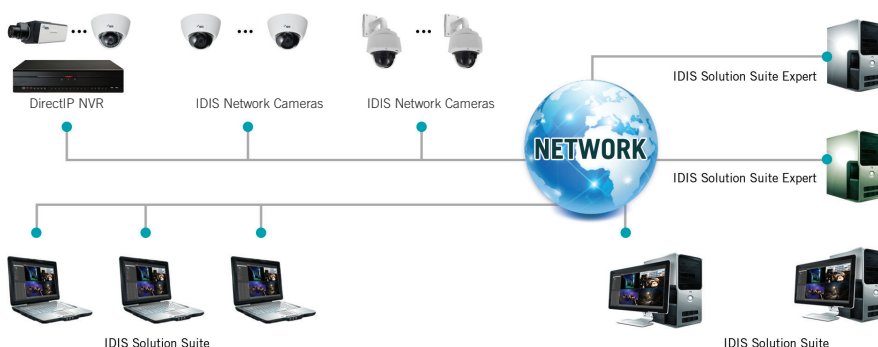
IDIS Solution Suite Expert provides a general-purpose network video recording application that will satisfy a wide range of customer requirements without complicated licensing structures.



IDIS Solution Suite Expert is the perfect solution for project-based surveillance rollouts as it optionally integrates and transforms to exact customer requirements. Born out of IDIS's deep understanding of the surveillance market and a huge range of customer applications, IDIS Solution Suite Expert is exceptionally scalable and flexible.

Using proven IDIS products including megapixel cameras and keyboards, the system is expandable to ensure a future proof surveillance solution.

NETWORK CONFIGURATION OF IDIS SOLUTION SUITE EXPERT



NETWORK CONFIGURATION OF IDIS SOLUTION SUITE COMPACT



SPECIFICATIONS

		 IDIS Solution Suite Compact	 IDIS Solution Suite Expert
INSTALLATION SITE			
Home Security		O	-
Small Office		O	O
Small to Medium Sized Solution		-	O
Enterprise Solution		-	O
NUMBER			
Number of Cameras Per Server		32	256
Number of Servers Per Site		1	64
Max. Number of Concurrent Clients		1	64
Number of Devices Per Site		32 ⁽¹⁾	1,024 ⁽¹⁾
DEVICE			
Automatic Device Scan		O	O
IDIS DVR / NVRs Support		-	O
Third-party IP Camera Support		-	O
ONVIF Camera Support		-	O
CLIENT			
Multi-live Streaming		O	O
Two-way Audio Support		O	O
Audio Broadcast Support		O	O
Panel Docking Support		O	O
Event Monitoring		O	O
Web Browser Add		-	O
IDIS Solution Suite Mobile Support		-	O
MAP Support		-	O
NK-1100 (Network Keyboard) Support		-	O
POS Text-in Viewer		-	O
RECORDING, PLAYBACK, SEARCHING			
Max. Recording Storage		5,000GB	Unlimited ⁽²⁾
Time-lapse Recording support		O	O
Pre-event Scheduling Support		O	O
Event Scheduling Support		O	O
Time-segment Recording		O	O
Audio Recording		O	O
Print Image		O	O
Export Image / Video		O	O
Bookmark function		-	O
POS Transaction Search		-	O
ADMINISTRATION			
Device Health Monitoring		O	O
Device Check		-	O
Windows User Authentication		-	O
EVENT HANDLING			
Live Pop-up		-	O
Event Acknowledgement		-	O
Email Notification		-	O
Move PTZ on Event		-	O
ADDITIONAL FEATURES			
Video Wall Service		-	Optional ⁽³⁾
Federation Service		-	Optional ⁽³⁾
Backup Service		-	Optional ⁽³⁾
Failover Service		-	Optional ⁽³⁾
Streaming Service		-	O ⁽⁴⁾

(1) Number of registrable devices (IDIS Solution Suite Compact : IP camera, encoder only)

(2) Up to 50,000GB per HDD

(3) Available upon purchasing license

(4) Channel expansion is available upon purchasing license

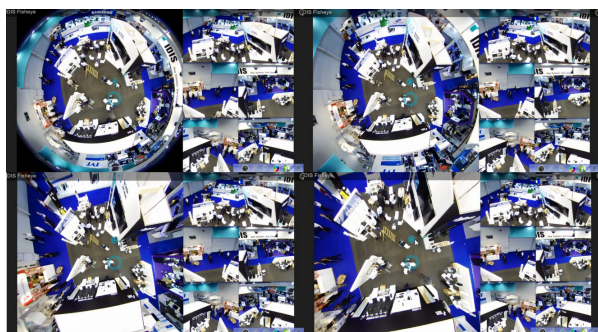
IDIS CENTER

IDIS Center provides customers with plug-and-play management software to install and operate network cameras and network video recorders.

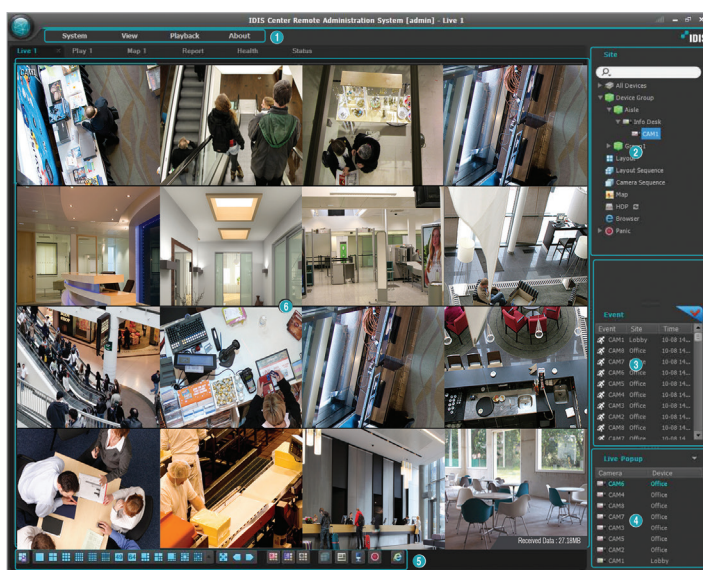
IDIS Center is a central management software solution that supports live monitoring, video playback as well as advanced management tools including event monitoring, e-maps, and condition monitoring of devices.



KEY FEATURES



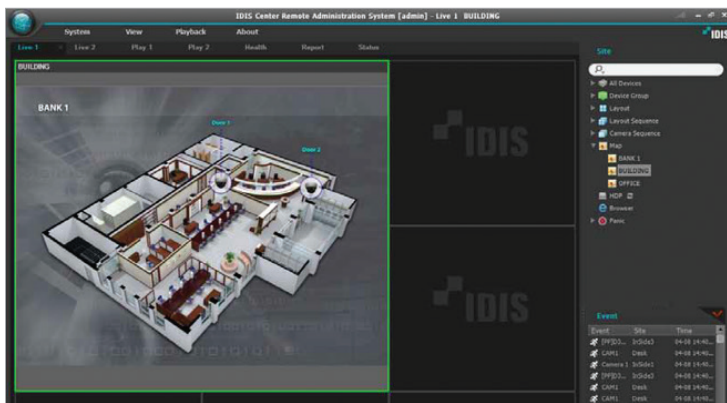
- Remote surveillance of live videos and remote playback of video recordings
- Real-time notification of detected events and remote monitoring of event videos
- Panic recording of live videos and playback of panic recordings
- Registration of up to 1,024 devices
- Simultaneous remote software upgrades and multiple system set-up
- Displays device's system logs
- Monitoring live e-map
- SSL support for security
- Authority settings by user groups for security
- Intuitive and user-oriented GUI
- Supports removable HDD (SD card) play
- All live viewing, searches, e-maps, and condition monitoring can be executed simultaneously by displaying distinctly different panels on four different monitors



LIVE VIDEOS

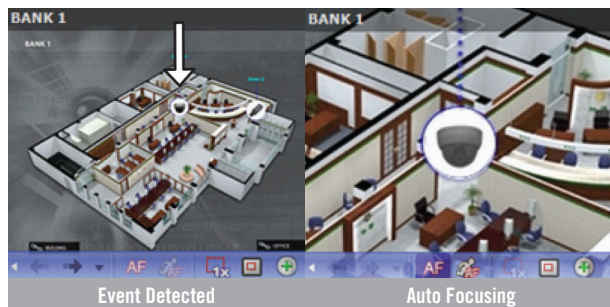
Live videos of registered sites can be monitored. IDIS Center receives videos according to the device's settings and displays live videos. Up to four live panels are supported for monitoring live videos.

- Menu**
Select the menu System, View, Playback, and About.
- Site List**
Used to connect to a registered site using drag and drop.
- Live Event List**
Shows instant events and callback events of registered devices. Click button and then Emergency Event Panel will be displayed.
- Live Popup List**
Shows the list of current popup screens on IDIS Center.
- Panel Toolbar/Timetable**
Shows toolbar or timetable depending on the panel.
- Panel**
Shows videos or list of the selected tab.



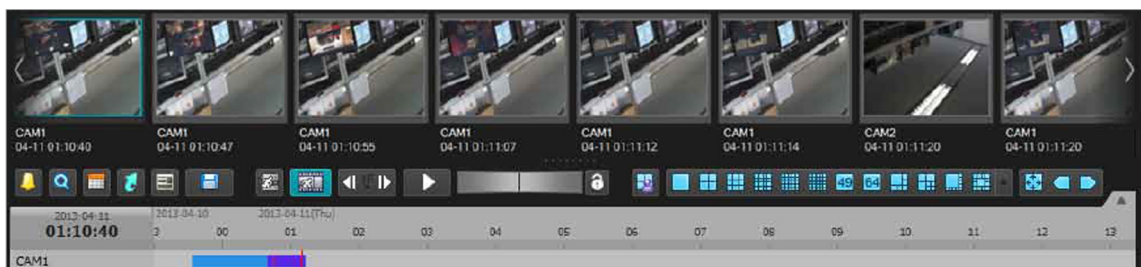
MAP MONITORING

The camera videos of registered devices, events, and status of connection I/O devices can be monitored on a map. Map monitoring supports up to four live panels and map panels.



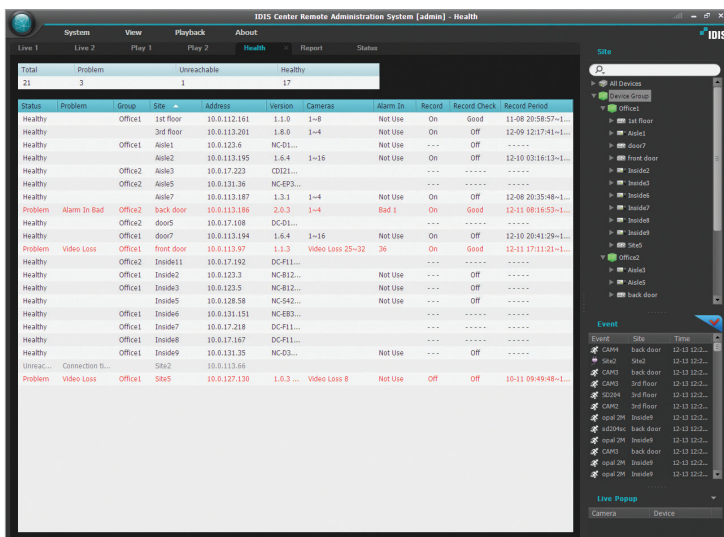
SNAP SHOT ON MOTION EVENT

When 'Motion Event Freeze-frame' is clicked in the Panel Toolbar, still images of videos recorded during Event Record Dwell (Event and pre-event) are shown in the Play panel. Recording information of the selected freeze-frame is displayed on the timetable. When the user clicks anywhere on the recorded data on the timetable, a freeze-frame image of the selected time is shown. Placing the mouse cursor over the freeze-frame brings up a popup viewer screen above the freeze-frame.



SYSTEM STATUS MONITORING

The system status of registered devices can be monitored in real-time. System status monitoring is supported in the Status panel. If a Status tab doesn't exist in the panel tabs, you can add them by selecting New Tab in the System menu and clicking Health. Once the Health tab is added, the health monitoring results are automatically displayed.



IDIS WEB



IDIS Web is a program that allows you to view and search video from remote locations over the Internet and can be accessed on a regular web browser such as Internet Explorer. IDIS Web can be downloaded from web browsers in ActiveX format.

KEY FEATURES

- Supports 32 divided screen surveillance
- Controls PTZ, color, alarm out feature
- Supports 32 divided screen playback
- Supports video backup with IDIS Player, AVI, BMP
- Supports storage and print-out of current image on screen

CONNECTION METHOD

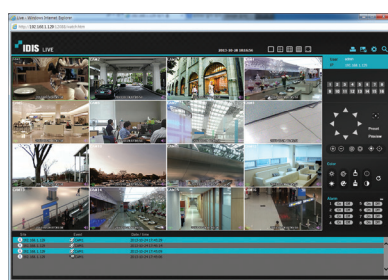
1. <http://IP Address: Port Number>
(NVR system's IP address and IDIS Web port number configured under Network > General (Default Value: 12088))
2. <http://fen.idisglobal.com/FEN Name>
(FEN Name: NVR name configured on the FEN server)
3. <http://web.idisglobal.com>
(Will be prompted to enter NVR's IP address or FEN name registered to the FEN server upon login)

Using connection method 1 and 2

Using connection method 3

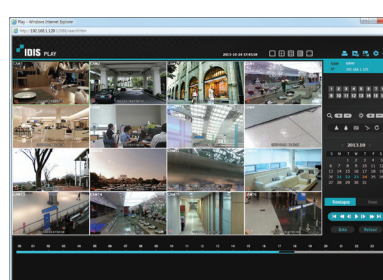
IDIS Web allows you to monitor images from remote locales in real-time.

Live Mode



- Screen layout
- PTZ control
- Alarm out control
- Save image
- Two-way audio

Play Mode



- Screen layout
- Time-lapse search
- Event log search
- Save as video
- Print the current video screen

MOBILE APP CLIENT

IDIS MOBILE



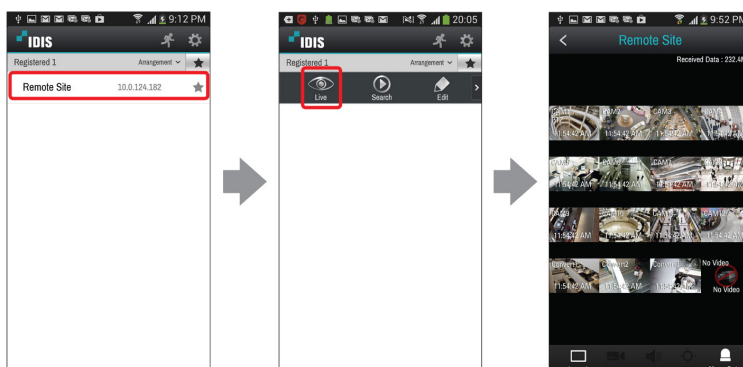
You can access a remote NVR, monitor live video images, and search recorded video using iPhone, iPad, Android phone, and Android tablet PC anytime from virtually anywhere.

KEY FEATURES

- Supports Android, iOS
- Supports 16 divided screen surveillance
- Controls PTZ, color, alarm out feature
- Supports playback recorded video
- Supports easy connection to dynamic IP device through FEN Service
- Supports event push notifications

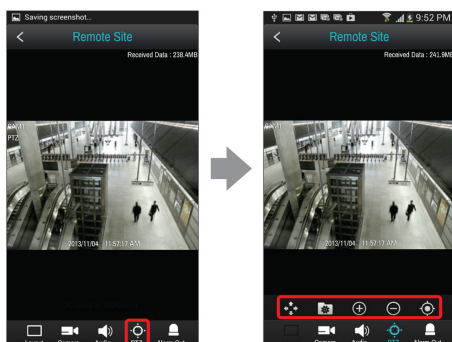
LIVE VIEWING

IDIS Mobile supports seamless viewing of Full HD live streaming video on mobile devices from remote locations and provides 1/4/9/16 split screen monitoring. When the menu appears on the screen, select Live. The live video from the selected device will be displayed on the screen.



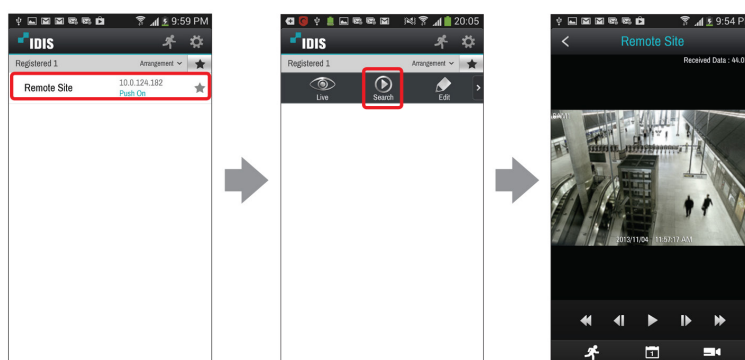
REMOTE PTZ CONTROL

IDIS Mobile provides control of PTZ cameras from a user's mobile device.



SEARCH AND PLAYBACK

Playback recorded video from selected cameras on their search list.



WHAT IDIS DELIVERS

Complete high definition (Full HD) and real-time surveillance

- Easy installation and secure networking through our dedicated DirectIP devices
- Crystal clear Full HD images, without any frame-loss, for live monitoring and recording
- Compatibility with legacy security systems, external devices, and third-party protocols
- One stop shop solution delivering rich connectivity
- Affordability without license or annual maintenance fees



NOKIA

10:36 PM

IDIS

Received Data : 3.6MB

CAM1
PTZ

2018/08/22 05:36:22 PM



Commercial Building Solutions

IDIS DirectIP surveillance solutions secure people, property, and assets to provide a safer office environment.

DirectIP solutions reduce risk and lower overall installation cost by leveraging existing IT network infrastructures and allowing businesses to migrate away from legacy and disparate security systems. IDIS's next generation surveillance increases operational efficiency and lowers the total cost of ownership through end-to-end solutions.



Integrated Surveillance Center

Through a closely integrated structure comprised of cameras, sensors, and alarms, DirectIP surveillance enables a consolidated view of every event and incident to streamline security operations.

Clear Vision Even in Challenging Light

In high-risk areas such as basement car parks, the outstanding low-light functionality and image quality of cameras combined with built-in audio features make DirectIP the perfect safeguard against car theft, break-ins, and other incidents.

Protecting High Value Assets and Data

Integrating with alarm systems such as intruder or fire, DirectIP solutions ensure your property and assets are safe in any event. Irrespective of the complexities of your building, real-time streaming linked directly to the control room ensures a rapid response to incidents.



Valuable Asset Protection



DC-D2233WR

- Integrates with alarm devices
- Reduces risk of crime



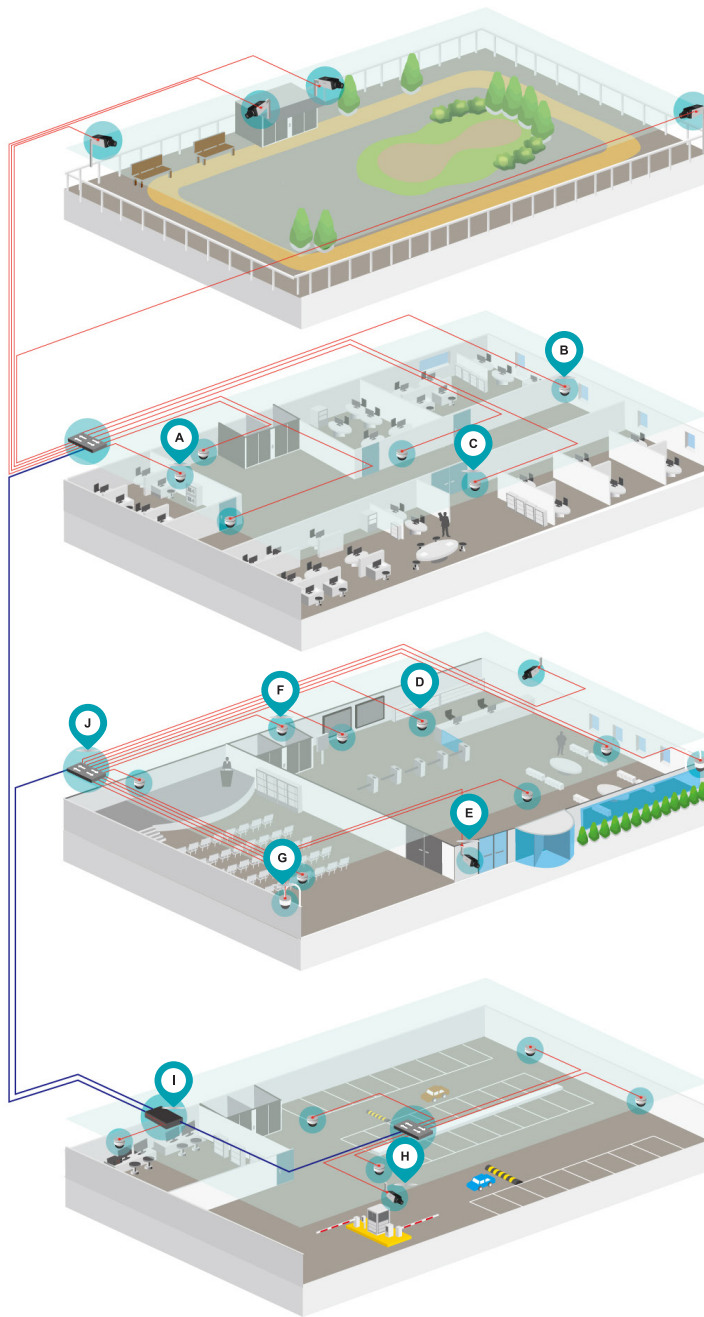
Corridor Observation



DC-D2233

DC-B1203

- Provides a clear image view
- Tracks suspicious behavior and monitors incidents



DirectIP PoE Switch
 DirectIP NVR
— Cat5 / Cat5e (~100Mbps)
— Cat5e / Cat6 (~1Gbps)

E Entrance Observation



- Monitors daily visitors and staff
- Identifies suspicious people

F Elevator Monitoring



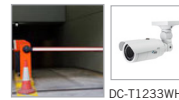
- Identifies suspicious behavior within an enclosed space
- Monitors accidents

G External Security



- Safeguards property and ensures personal safety

H Vehicle Identification



- Provides real-time clear views for tracking fast movement and vehicle license plates
- Detects crimes such as hit-and-run accidents and car break-ins

I Video Security Center



- Detects, identifies, and investigates suspicious individuals or objects throughout the building
- Ensures robust video recording
- Provides event notification to mobile devices
- Allows remote accessibility and data backup

C Supervision of Restricted Areas



- Identifies unauthorized people circulating in restricted areas
- Monitors behavior of authorized staff

D Public Safety with Intrusion Detection



- Protects staff and visitors from potential violent attacks
- Identifies unauthorized people

J Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection

Education Solutions

Through centralized control and increased situational awareness, DirectIP improves campus safety for students, staff, and property.

To prevent violence and theft on campuses, DirectIP solutions provide centralized monitoring, enabling instant verification and a rapid response to events. Improved situational awareness combined with DirectIP's flexible and scalable HD surveillance increases security while driving improvements in operational efficiencies.

Intelligent Observation

Centralized monitoring across campus facilities provides operators with at-a-glance verification of incidents and management of multiple cameras through real-time floor plans and intelligent mapping features. DirectIP solutions support remote access and management, providing a flexible operational approach for operators and manned guarding teams.

Video Conferencing and Lectures

Two-way audio and real-time streaming of video provide advanced educational video conferencing, enabling remote lectures. Once recorded, lectures are easily managed and downloaded from cloud services to provide a flexible learning experience.

Increased Protection of Students, Staff, and Assets

Virtual guard tours supplement manned guarding and free up security staff for other duties. Combined with DirectIP event alarm management, operators can initiate a prompt response to emergencies and incidents.



Integrated Surveillance Solution



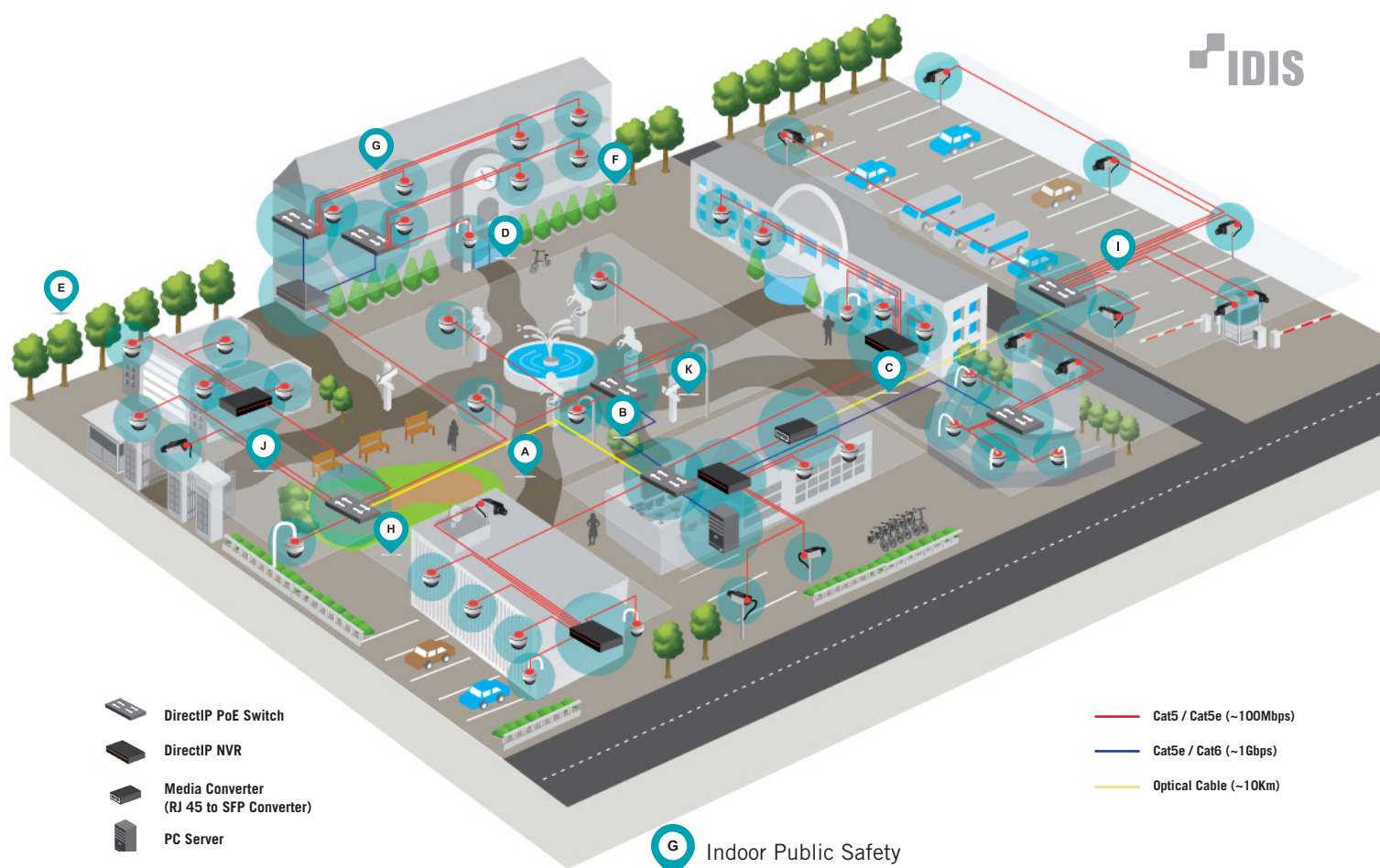
- Controls and manages multiple NVR systems
- Monitors all buildings and external campus areas from a single location
- Supports customized modules such as video wall, streaming services, back-up, failover services, and video analytics (IDIS Solution Suite Expert only)
- Leverages existing infrastructure



High Quality Video Recording



- Coordinates emergency responses
- Provides real-time HD image recording and monitoring
- Offers both time-lapse and event recording
- Gathers evidence to minimize fraud



- DirectIP PoE Switch
- DirectIP NVR
- Media Converter (RJ 45 to SFP Converter)
- PC Server

- Cat5 / Cat5e (~100Mbps)
- Cat5e / Cat6 (~1Gbps)
- Optical Cable (~10Km)

C External Public Safety



- Reduces property damage
- Monitors acts of vandalism or graffiti
- Allows instantaneous reaction to incidents

D Safeguard Walkways



- Identifies incidents and suspects
- Monitors pedestrian flow

E Valuable Asset Protection



- Prevents violence and theft
- Offers behavioral recognition technology

F Safe and Peaceful Classrooms



- Protects students and staff from potential violent attacks
- Integrates with alarm devices
- Features a built-in audio interface terminal

G Indoor Public Safety



- Identifies suspicious objects
- Prevents or deters crime and public disorder

H Reduce Goods Shrinkage



- Identifies shoplifters and suspicious activity
- Detects removal or loss of items in the cafeteria

I Vehicle Identification



- Provides real-time clear views for tracking fast movement and vehicle license plates
- Detects crimes such as hit-and-run accidents and car break-ins

J Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection

K Long Distance Video Communication



- Allows video communication of up to 10Km using optical cable
- Uses DirectIP PoE switch with SFP module or RJ45 to SFP converter

Banking and Finance Solutions

IDIS DirectIP solutions improve protection against threats, such as violence and robbery, through cutting-edge functionality and tailored features.

As a deterrent to fraud, theft, and violence, IDIS utilizes its DirectIP network infrastructure to improve real-time situational awareness and response times to provide a safer and more secure environment for staff and customers.

ATM Integration

Integrated with ATM facilities, DirectIP NVRs record transaction data combined with a clear image of users. This ensures the secure operation of ATMs to validate cards and guarantee their sole use by registered cardholders.

Concrete Evidence

Whether inside or outside, crime usually occurs within a very short timeframe. DirectIP cameras capture every single moment of activity, providing instant verification and immediate response by delivering a clear, accurate, and time-stamped record of events.

Centralized Monitoring

With centralized control environments and a range of unique and tailored features, DirectIP management software enables a rapid and decisive response to incidents across entire branch networks and facilities.



Valuable Asset Protection



- Integrates with alarm devices
- Offers behavioral recognition technology



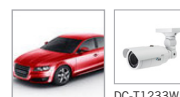
Personal Safety



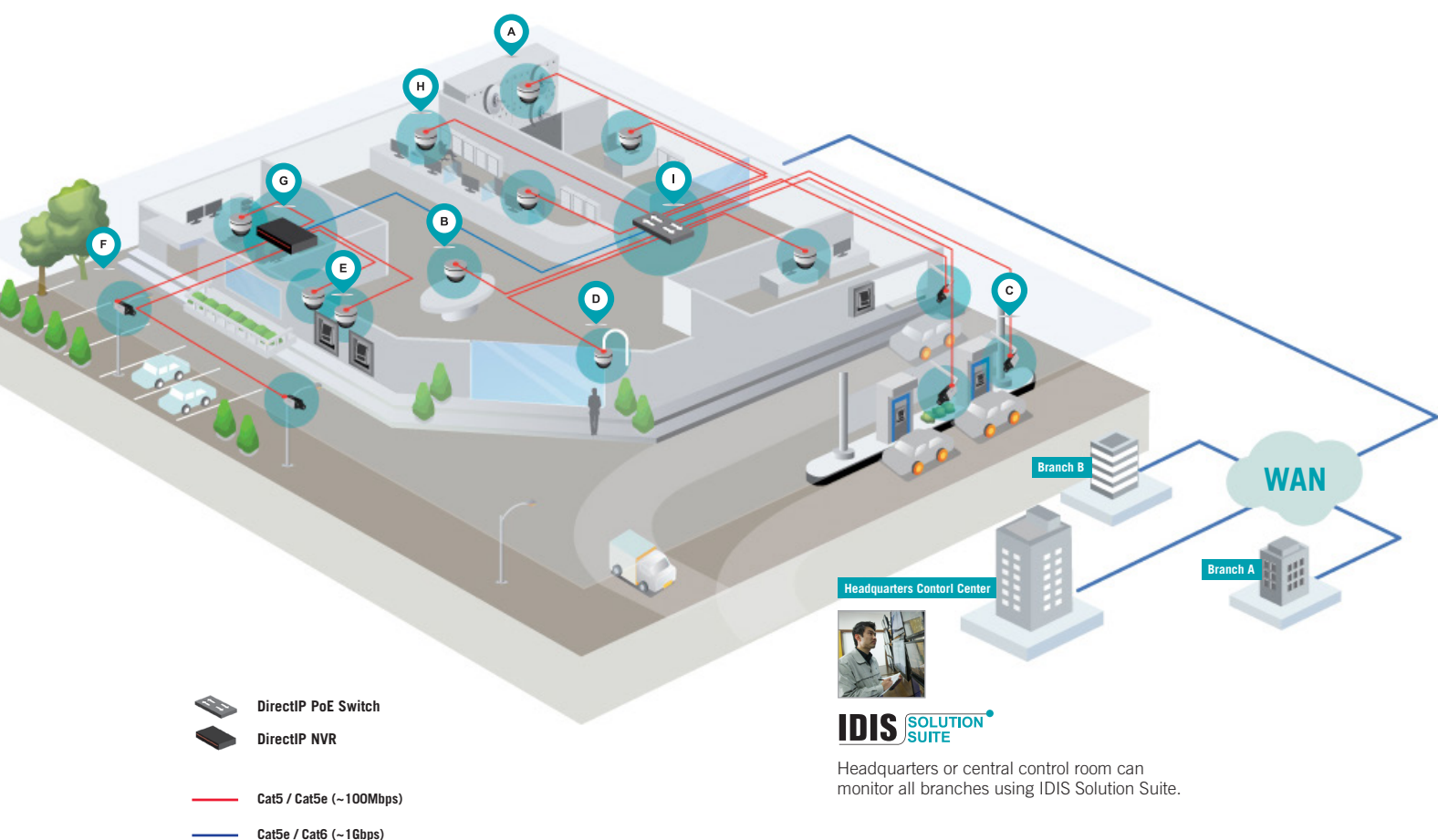
- Provides a clear, wide image view
- Assists crime investigation



Vehicle Identification



- Provides real-time clear views for tracking fast movement and vehicle license plates
- Features a built-in audio output interface terminal



D Entrance Observation



- Identifies potential suspects
- Provides a clear, wide image view

E ATM Integration



- Records transaction data with clear user images
- Monitors for multiple threats including fraud, theft, and physical attacks

F External Security



- Safeguards property and ensures personal safety

G Video Surveillance



- Controls and manages all internal and external areas of the premises
- Ensures robust and quality video recording
- Tracks object movement with appropriate alerts
- Enables remote accessibility

H Authorized Transactions



- Provides audio integration without extra cabling
- Performs facial identification
- Undertakes fraud checks

I Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management

Manufacturing Solutions

The perfect surveillance solution for regulated and hazardous industrial facilities.

With stringent regulation outlining compliance, health, and safety as well as security challenges, DirectIP provides manufacturing facilities a centralized security operation with an accurate record of events. The capability for a rapid and decisive response to incidents drives operational efficiencies across health and safety, security, and quality control departments.

Intelligent Observation

At-a-glance verification enables a single operator to check incoming materials, shipments, or stock levels and even perform quality assurance procedures.

Automatic Alerts and Emergency Stopping

In hazardous environments, alarm management and integration with third-party systems allows centralized control of the entire facility, including production lines, to improve the health and safety of workers.

Third-party Scalability

Built on a platform with compatibility in mind, DirectIP solutions integrate with third-party systems, such as access control and intruder detection, to provide scalability and a future-proof investment that drives down overall cost for the lifecycle of the entire security operation.

A Video Security Center



- Detects, identifies, and investigates suspicious individuals or objects throughout the building
- Ensures high quality and robust video recording
- Features event notification to mobile devices
- Enables remote accessibility

B Monitor Production Lines

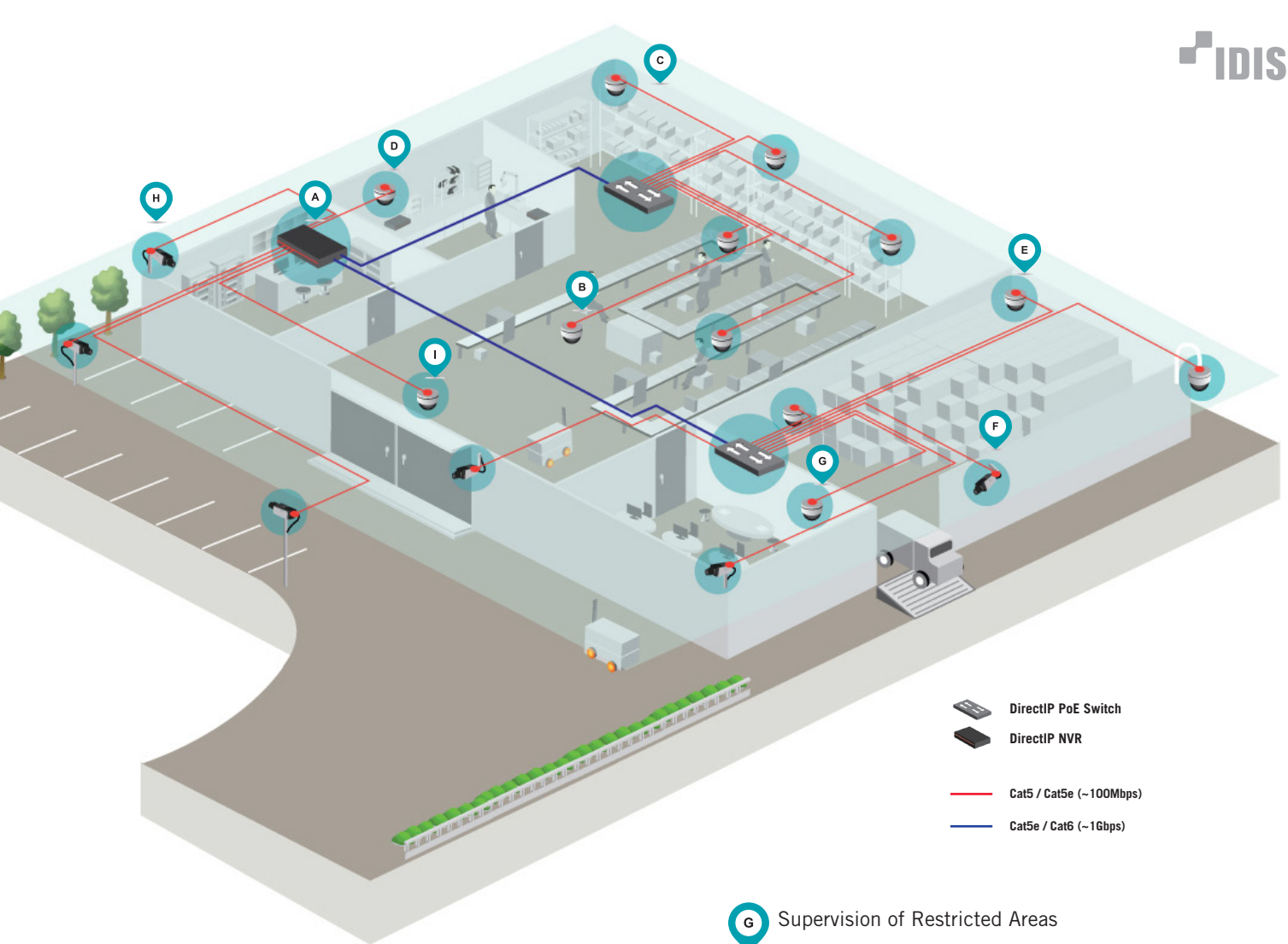


- Detects and responds to incidents quickly
- Identifies unusual activities on the production line
- Ensures the safety of staff

C Stock Observation



- Detects removal or loss of items
- Identifies suspicious behavior
- Tracks item movement



- DirectIP PoE Switch
- DirectIP NVR
- Cat5 / Cat5e (~100Mbps)
- Cat5e / Cat6 (~1Gbps)

G Supervision of Restricted Areas



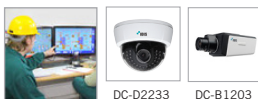
- Identifies unauthorized personnel entering restricted areas
- Monitors behavior of authorized people

H External Security



- Enhances factory perimeter protection
- Helps identify and investigate incidents
- Identifies suspicious vehicles or objects

D Improve Quality Control



- Monitors and analyzes the quality assurance process

E Warehouse Observation



- Prevents vandalism and theft
- Facilitates best-practice stock management procedures

F Loading Dock Observation



- Monitors the loading and unloading of goods

I Public Safety



- Provides wide and clear image views of open areas
- Identifies accidents and potential risks

J Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection

Healthcare Solutions

IDIS DirectIP solutions increase protection, reduce risk, and provide peace of mind for staff and patients.

With increasing concerns for employee and patient safety combined with complex environments and stringent regulatory compliance, the security challenges facing hospitals are significant. DirectIP solutions deliver real-time awareness of staff, patients, visitors, and high-value assets, enabling a rapid response to incidents before an emergency arises and as a result, improves patient satisfaction and drives down operational cost.

Effective Emergency Room Monitoring

High definition networked surveillance cameras can be leveraged to support patient care while real-time monitoring notifies staff instantly when a patient requires urgent assistance.

High Definition Surveillance

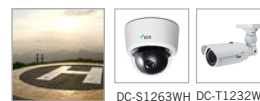
DirectIP surveillance cameras provide crystal-clear images, allowing operators to monitor and track patient and visitor movement across the entire hospital. This prevents unauthorized access to restricted areas while supporting fast detection and investigation of crime.

Enhanced Surgical Environment

Stable and high resolution DirectIP cameras capture footage to provide a repository of surgical video for training and education purposes as well as post-operative care. While an accurate and time stamped record of events safeguards against potentially fraudulent insurance claims.



External Security



- Safeguards the hospital's property and ensures personal safety



Corridor Observation



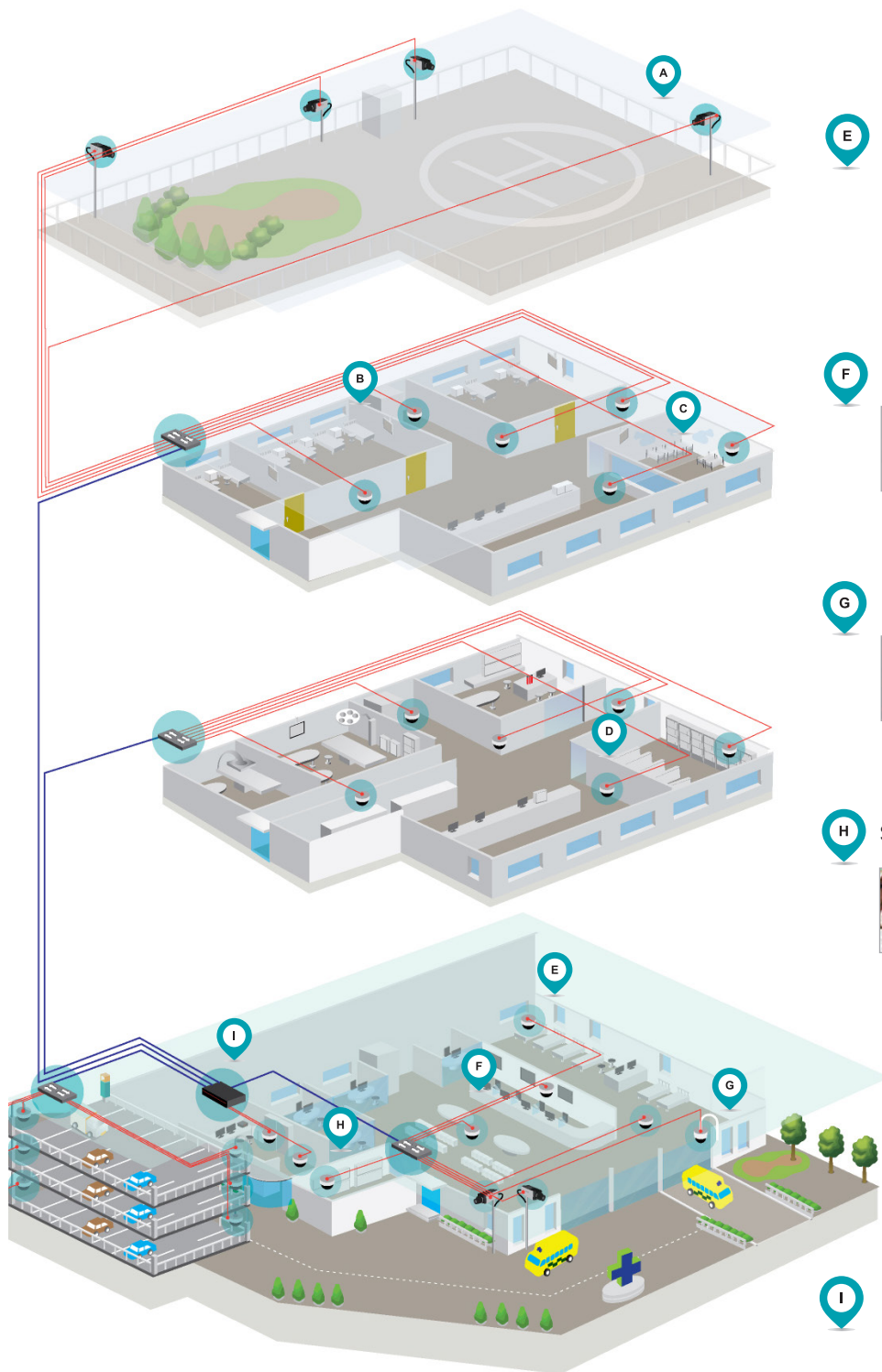
- Provides a clear image view
- Tracks suspicious behavior and monitors incidents



Child Protection



- Provides peace-of-mind and protection from potential personal threats
- Offers an accurate time stamped record of events



- DirectIP PoE Switch
- DirectIP NVR
- Cat5 / Cat5e (~100Mbps)
- Cat5e / Cat6 (~1Gbps)

D Corridor Observation



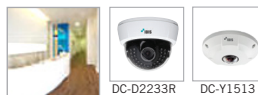
- Protects staff from potential violent attacks
- Monitors both audio and video
- Integrates with alarm devices

E Emergency Recognition



- Monitors „at risk“ patients
- Prevents and restricts unauthorized access

F Public Safety and Satisfaction



- Provides wide and clear image views of open areas
- Identifies accidents and potential risks

G Entrance Observation



- Controls pedestrian traffic flow in busy areas
- Allows instantaneous reaction to incidents

H Supervision of Controlled Areas



- Prevents potential theft, such as prescription drugs
- Monitors personnel responsible for drugs

I Video Security Center



- Controls and manages all internal and external areas
- Ensures high quality and robust video recording
- Reports security alerts and hazards and protects against false accident claims
- Features event notification to mobile devices

J Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection

Transportation Solutions

DirectIP solutions provide intelligent surveillance to increase security and improve traffic analysis throughout an airport.

Ensuring the safety of travelers and staff in a busy airport environment is a challenge for security professionals across the globe. DirectIP solutions increase security and safety by providing operational efficiencies across passenger checkpoints, terminal areas, duty free shops, baggage screening, and parking facilities as well as external areas such as aircraft facilities and operational perimeters.

Intelligent Surveillance

Throughout an airport, there are many high-risk zones exposed to theft and malicious activity. The DirectIP NVR's built-in panic recording system ensures operators can capture suspicious behavior and respond in real-time before an event turns into a full-blown emergency.

Improved Traffic Flow

By analyzing high resolution video footage, DirectIP greatly assists with managing passenger flow through busy airports and potential bottlenecks, such as at check-in.

Hangar Observation

DirectIP megapixel cameras catch even the tiniest of movements at risk of intrusion from unauthorized personnel.



Video Security Center



DR-6232P(S)

- Detects, identifies, and investigates suspicious individuals or objects throughout the building
- Ensures high quality and robust video recording
- Features event notification to mobile devices
- Provides compatibility with POS and EAS
- Monitors daily business



Check-in Line Monitoring



DC-D2233W

- Detects suspicious passengers, baggage, or objects
- Offers facial identification technology



Optimize Travel Capacity



DC-S1263WH



DC-D2233W

- Helps investigate lost or missing passengers
- Supports understanding of passenger flow patterns and hotspots
- Improves staff productivity



D Identify Lost or Stolen Luggage



- Monitors passenger baggage
- Helps investigate lost or stolen luggage

H External Security



- Enhances airport perimeter protection
- Helps identify and investigate incidents

E Loss Prevention



- Prevents retail theft

I Supervision of Restricted Area



- Helps identify unauthorized people circulating in restricted areas
- Monitors authorized staff activities in restricted areas

F Public Safety



- Analyzes suspicious behavior
- Prevents terrorism

J Vehicle Identification



- Provides real-time high resolution images for tracking fast moving objects and vehicle license plates
- Features a built-in audio output interface terminal

G Loading Dock Observation

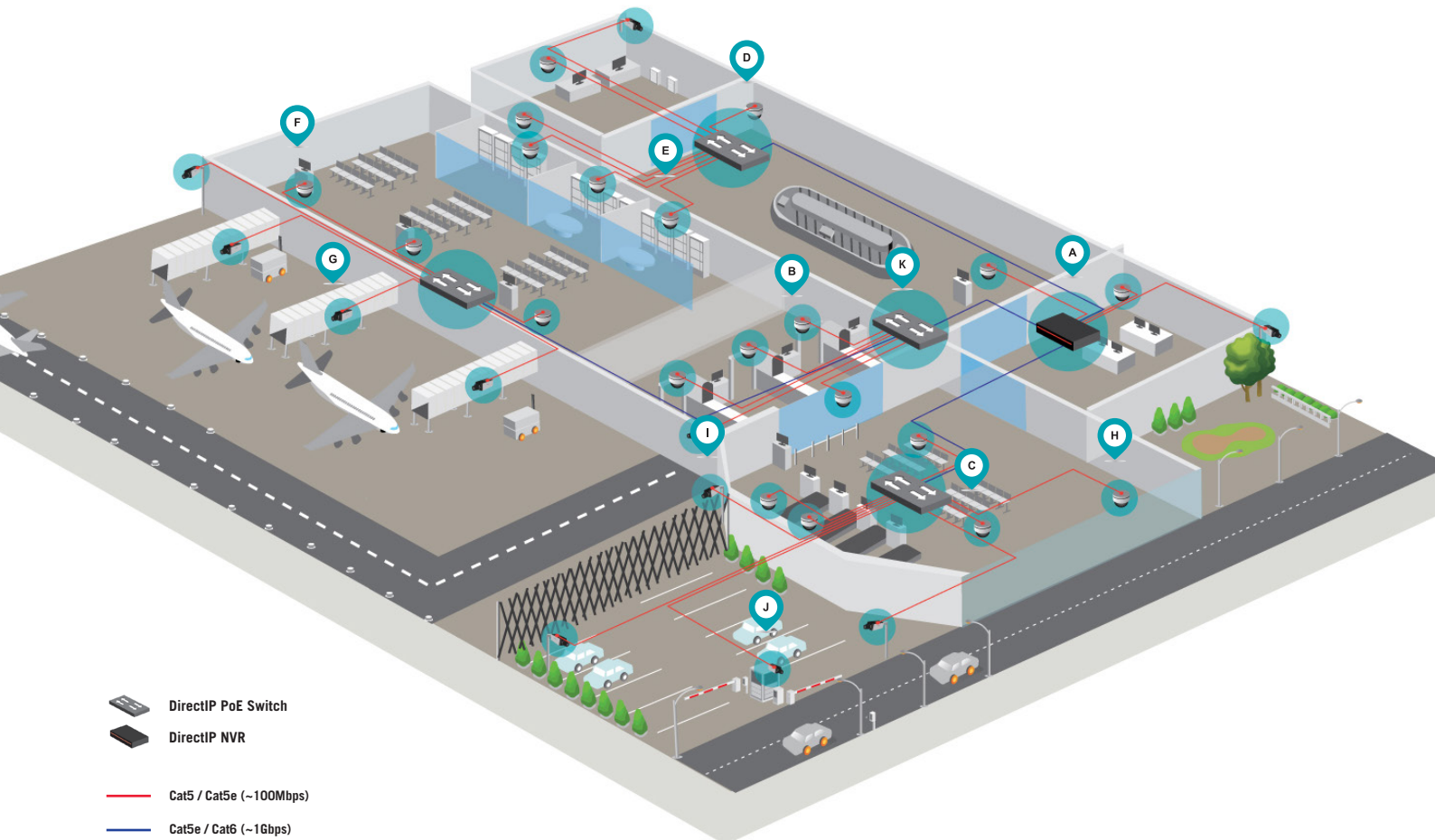


- Monitors the loading and unloading of goods

K Easy Cable Connection



- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection



Retail Solutions

IDIS DirectIP network surveillance provides affordable solutions that reduce risk and shrinkage within busy retail environments.

With the combined threat of the global economic downturn, shrinkage has never been a bigger concern for loss prevention and security professionals. Using HD resolution cameras, DirectIP proactively increases security by reducing shrinkage.

Loss Prevention

Real-time live viewing and recording via high definition cameras are perfect for preventing and detecting shoplifting as well as internal shrinkage in a busy retail environment. DirectIP technology supports the role of store detectives and security operatives by enabling a rapid response to even the smallest movement suggesting suspicious behavior.

POS Integration

DirectIP NVRs integrate with point of sale devices to gather scanned, printed, or recorded data to improve general transaction management and obtain proof of purchase in instances of crime. At the same time, by analyzing customer behavior marketing departments can optimize promotional efforts.

Customer Safety and Comfort

Through its advanced alarm management, DirectIP solutions allow customers to shop safe in the knowledge that help is at hand should they need urgent assistance.



Video Security Center



DR-2216P

- Detects, identifies, and investigates suspicious individuals or objects throughout the building
- Ensures high quality and robust video recording
- Features event notification to mobile devices
- Provides compatibility with POS and EAS
- Monitors daily business



Monitor Checkout Service



DC-D2233R

- Verifies proper checkout procedures are observed
- Determines suspicious transactions



Reduce Goods Shrinkage



DC-D2233R

DC-T1232WR

- Identifies shoplifters and suspicious activity
- Detects removal or loss of items

D Customer Experience



- Verify and investigate customer incidents quickly and efficiently
- Safeguards property and ensures personal safety

G Stock Observation



- Monitors staff behavior
- Facilitates best-practice stock management procedures
- Identifies unauthorized personnel entering restricted areas

E Improve Marketing Performance



- Supports analysis of customer numbers and flow
- Improves product display strategy
- Improves staff productivity

H External Security



- Safeguards property and ensures personal safety

F Protect High Risk Assets



- Prevents theft of goods and high value stock
- Integrates with alarm devices

I Easy Cable Connection



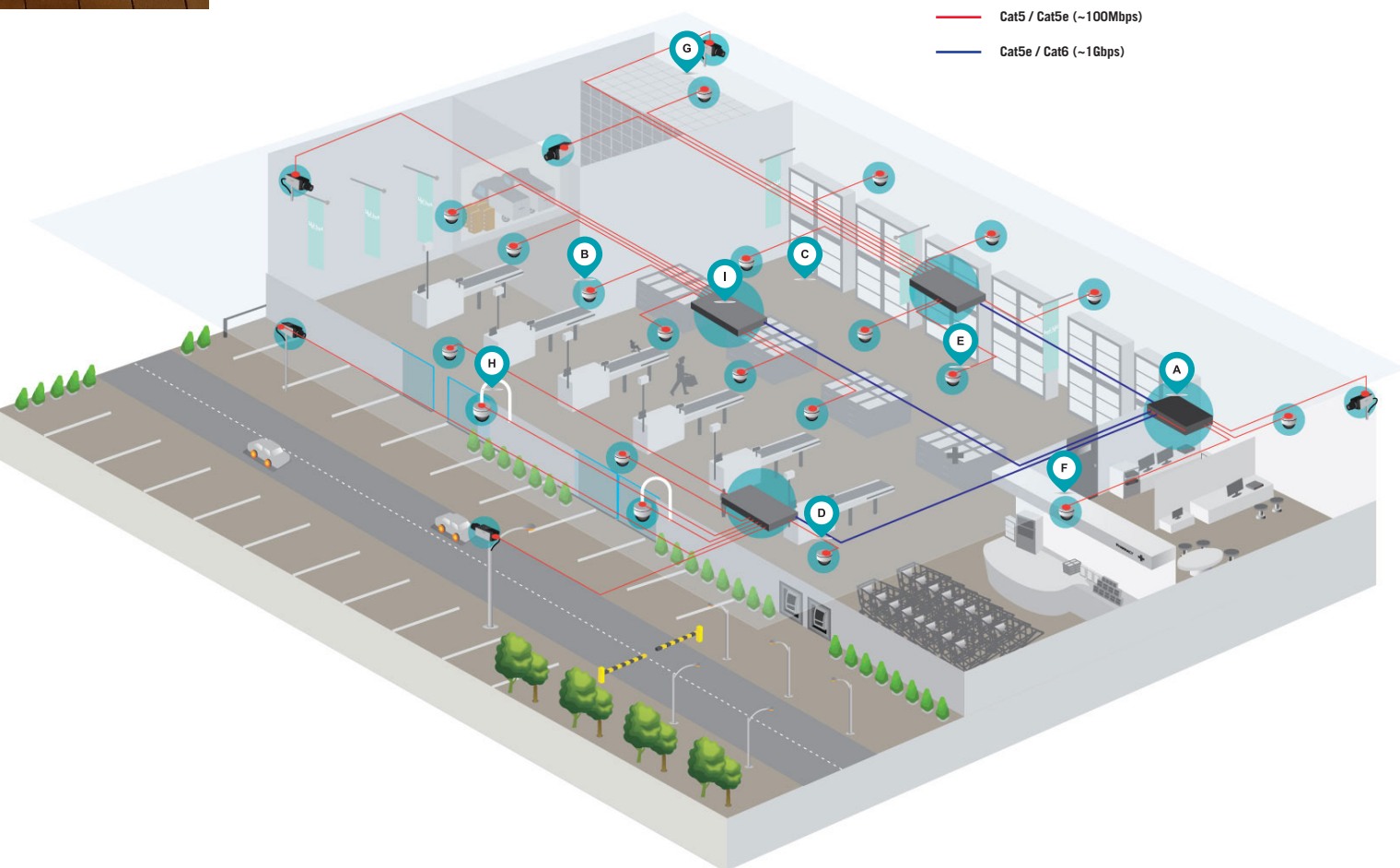
- DirectIP PoE switch to power DirectIP cameras
- Flexible tree topology that can be shared with multiple DirectIP NVRs and DirectIP cameras
- DirectIP switch/port mapping for easy management
- SFP ready for long distance/high speed connection

DirectIP PoE Switch

DirectIP NVR

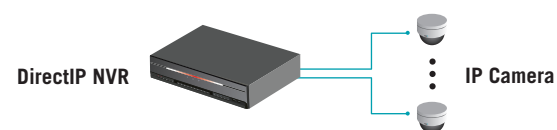
Cat5 / Cat5e (~100Mbps)

Cat5e / Cat6 (~1Gbps)



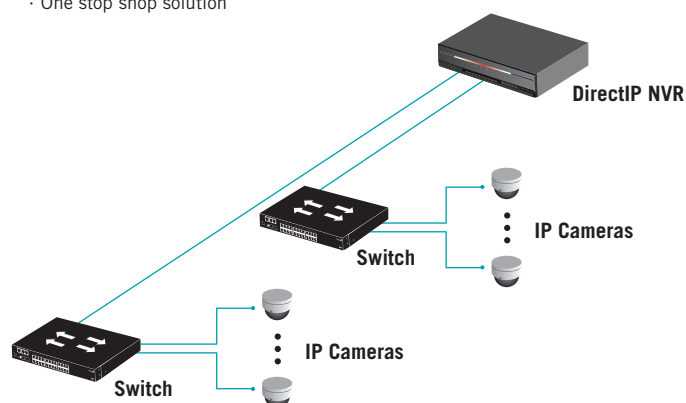
Small business installation

- Easy to install
- HD surveillance
- Affordable video solution



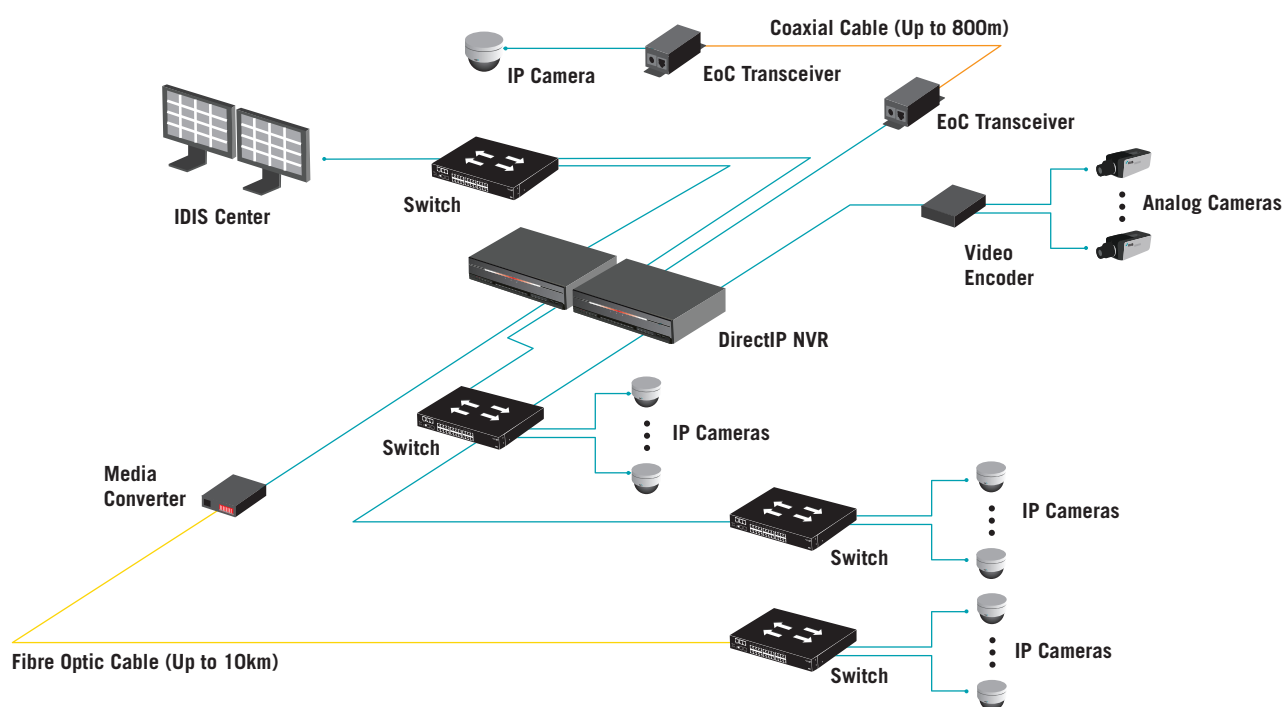
Medium business installation

- High performance
- Scalability with DirectIP Gigabit PoE switch
- Cost effective
- One stop shop solution

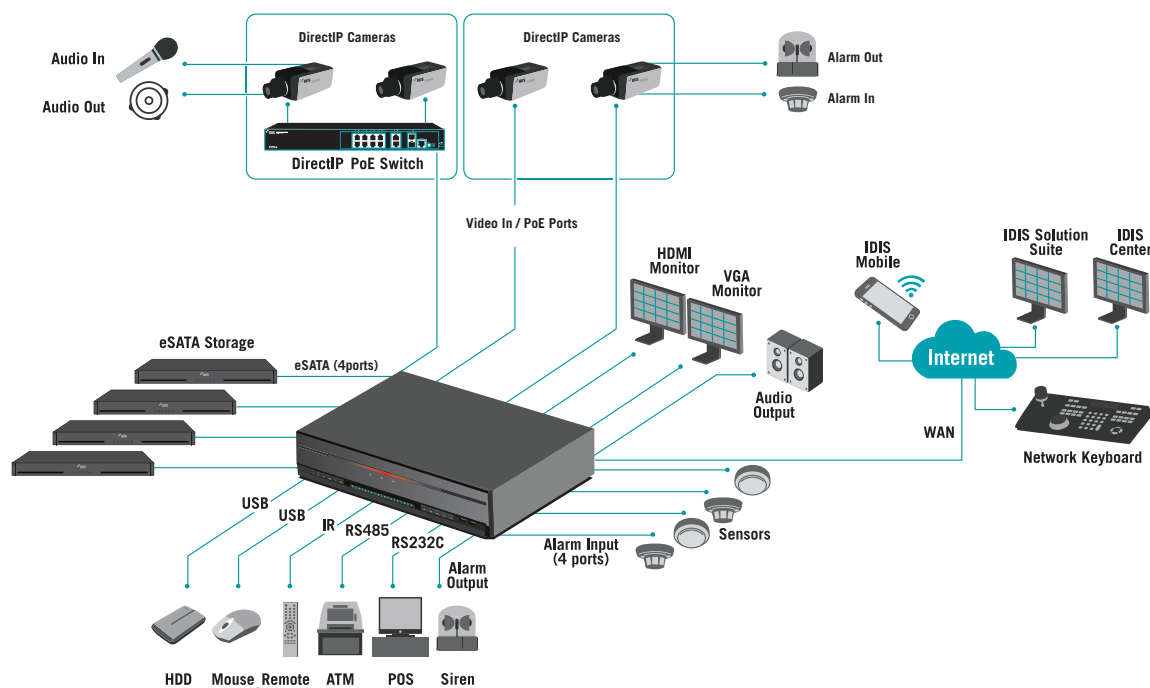


Large enterprise installation

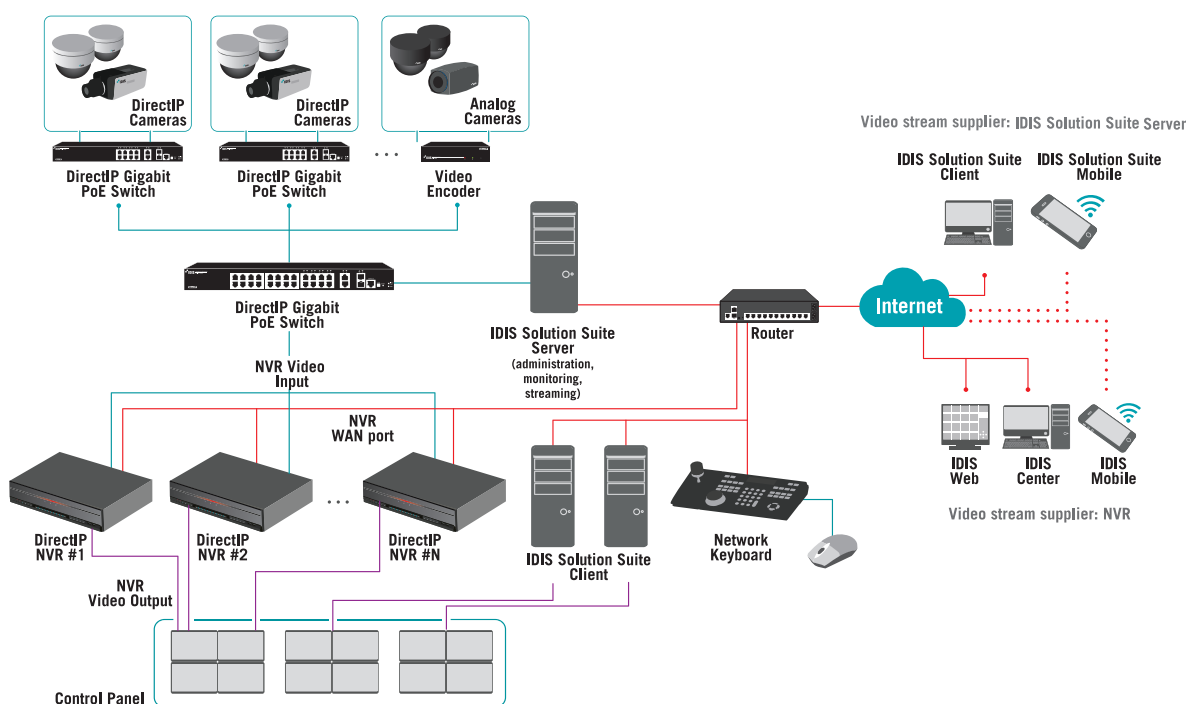
- Scalability with rich connectivity
- Flexibility enabling legacy and third-party system integration
- Simple integration with IDIS Center



DR-6200 series NVR connection diagram



Control center installation



* Availability of product may vary by country / region.

* Product specifications in this brochure can change. Please confirm details on our website.

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