Premium NVR
IDIS DR-8400 Series

Minimizing Video Loss and Ensuring System Performance

IDIS DirectIP 8400 Series H.265 4K Recorder
DR-8416/8432/8432D

UHD NVR with H.265 & Intelligent codec

IDIS DR-8400 series is fully optimized for the stable and high performance of all network devices, ensuring UHD live viewing and UHD recording simultaneously.
Utilizing H.265, IDIS DR-8400 series enable you to save up 50% storage space compared with H.264.

RAID 6 supports (RAID 1,5,6,10)

RAID 6 protection protects data from being lost because of a disk unit failure or because of damage to a disk.

Front removable HDD

The HDD trays are available in the front of the unit for easy replacement.

NVR Failover supports

If any of the primary NVRs fail, the standby NVR is activated. The primary NVRs and standby NVR continuously monitor one another to quickly respond to problems, reducing the risk of data loss and decreasing failover response times.

IDIS ® One Solution.
One Company.

DirectIP 8400 Series H.265 4K Recorder
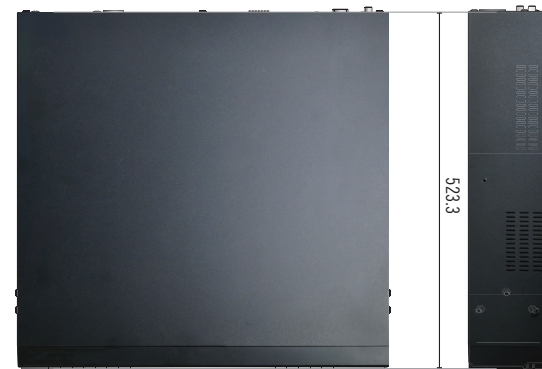
DR-8416

- Total incoming throughput 320Mbps
- Up to 480ips UHD 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
- Expandable up to 144TB using eSATA storage
- Supports RAID 1, 5, 6, 10
- 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	320Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 480ips
Digital Zoom	x2 ~ x12
RECORDING	
Max. Throughput	180Mbps, 480ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)
Compression	H.265, H.264
Intelligent Codec	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip Zone, Tampering, Video Loss, Text-in, ANPR, Etc
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 x8, eSATA x4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 6, 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	50Mbps / 100Mbps (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)
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) : 16 / 4
	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, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard, Front Button (Panic)
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	10.9kg (24.03lb) (with 2 HDDs)
Working Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%
Power Input	AC 100-240 V, 50/60Hz, 6.0 - 3.0A
Power Consumption	TBD
Approvals	FCC, UL, CE, CB, KC

* Storage varies by region.

DIMENSIONS

(Unit - mm)

482.6

88

523.3

① Power In Port
② Video In Ports
   - SFP (1~2) / RJ45 (3~5)
③ Network Port
④ eSATA Ports
⑤ USB 3.0 Ports
⑥ Audio Connection Ports
⑦ Factory Reset Button
⑧ VGA Out Port
⑨ HDMI Out Port
⑩ Alarm Connection Ports
⑪ RS-485 Port
⑫ RS-232 Port

ACCESSORIES (OPTIONAL)

DH-2212PF

DA-ES1104

DirectIP 8400 Series H.265 4K Recorder

DR-8432

- Total incoming throughput 370Mbps
- 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
- Expandable up to 144TB using eSATA storage
- Supports RAID 1, 5, 6, 10
- Supports Redundant Power
- Supports one click network configuration through FEN service
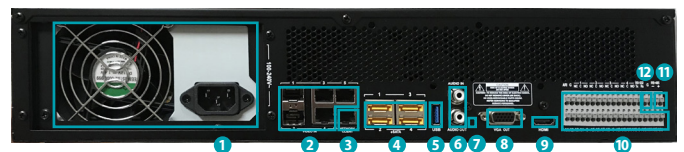- Supports third party cameras (Axis, Panasonic, ONVIF, etc)

SPECIFICATIONS

VIDEO	
Video Inputs	32 IP Channels
Max. Incoming Throughput	370Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	3840x2160, 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 @ UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)
Compression	H.264, H.265
Intelligent Codec	Supported
Recording Mode	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm In, Audio Detection, Motion Detection, Trip-zone, Tampering, Video Loss, Text-in, ANPR, Etc.
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 x8, eSATA x4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 6, 10 supported
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Video In Connection	Gigabit Ethernet(Video In) x 3, SFP(Video In) x 2
Transmission Speed	50Mbps / 100Mbps (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)
Two-way Audio	Yes
Client Viewer	IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1RCA + 1HDMI
	IP Camera : 32 / 32 (Depending on IP Camera)
Alarm In / Out	Local(NVR) : 16 / 4
	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, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard, Front Button (Panic)
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② Video In Ports
   - SFP (1~2) / RJ45 (3~5)
③ Network Port
④ eSATA Ports
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⑥ Audio Connection Ports
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⑧ VGA Out Port
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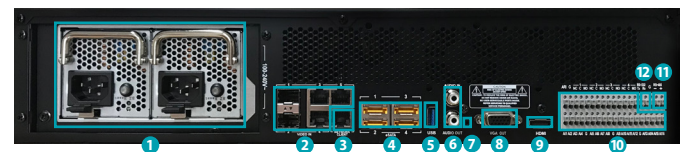## DirectIP 8400 Series H.265 4K Recorder
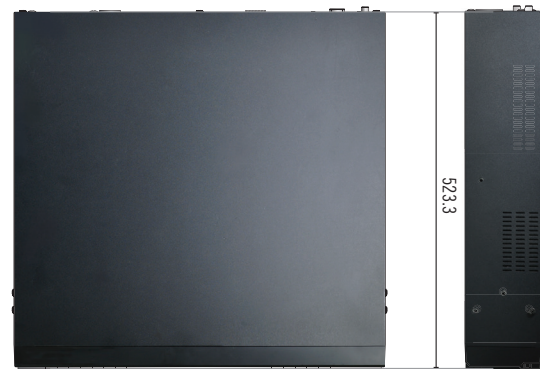
DR-8432D

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- Up to 960ips Full HD real-time recording
- Supports H.265 / H.264 codec
- Supports UHD display
- Up to 960ips live display
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- Expandable up to 144TB using eSATA storage
- Supports RAID 1, 5, 6, 10
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