

Excellence in Surveillance

SOLUTION GUIDE

Powered by **Direct IP™**



WHAT IDIS DELIVER IS:

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

- Easy installation and secure networking through our dedicated DirectIP™ devices.
- Crystal clear 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.

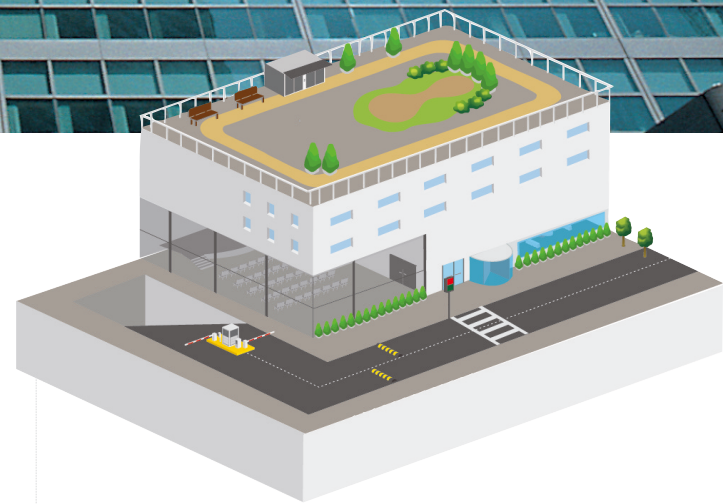


COMMERCIAL BUILDINGS
EDUCATION
BANKING & FINANCE
MANUFACTURING
HEALTHCARE
TRANSPORTATION
RETAIL

CONTENTS

OFFICE BUILDINGS

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 next generation surveillance increases operational efficiency and lowers the total cost of ownership through end-to-end solutions.

Integrated surveillance centre

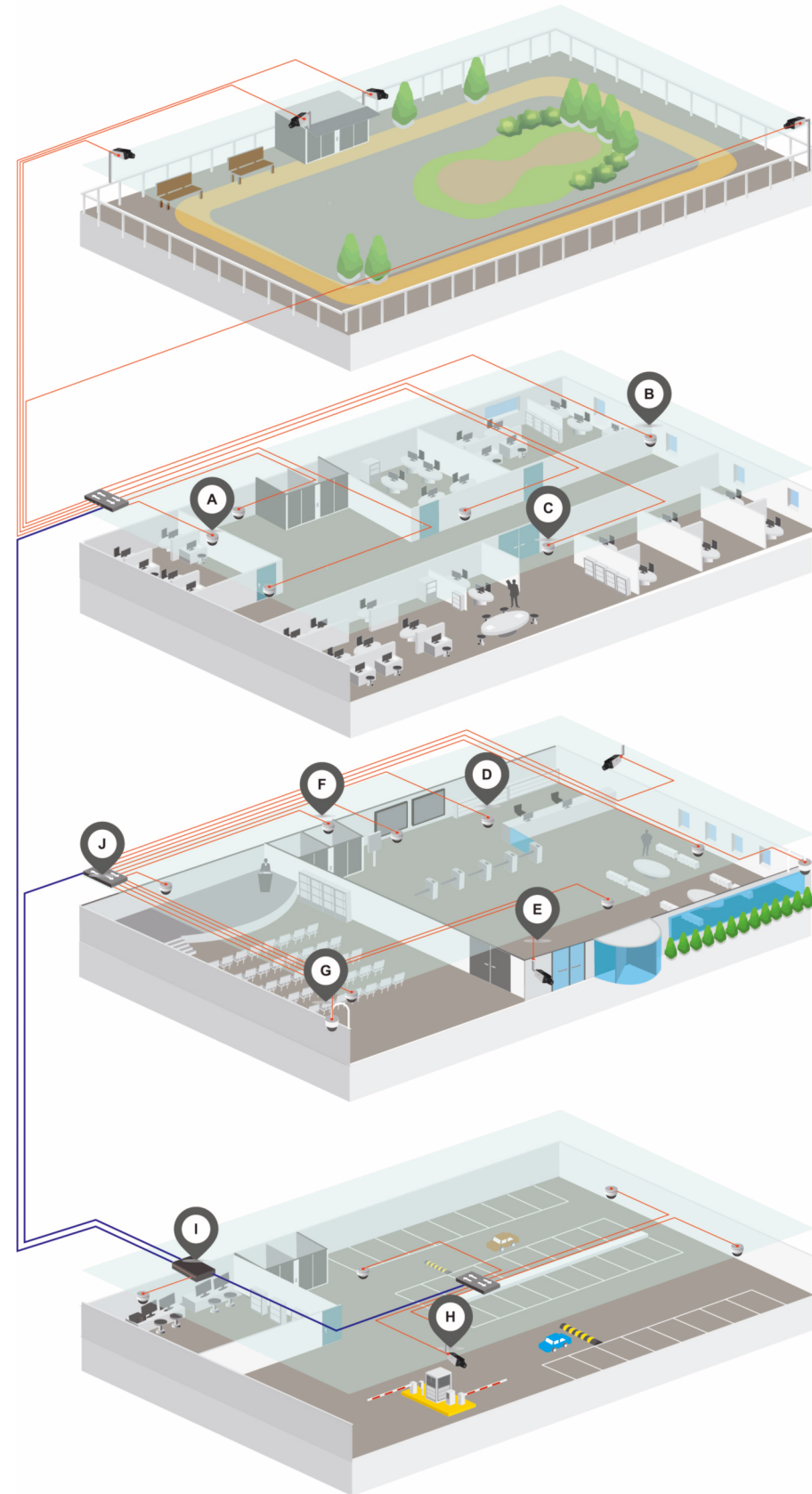
Through a closely integrated structure, comprising of cameras, sensors and alarms DirectIP™ surveillance enables a consolidated view of every event and incident to streamline security operations.

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 in-built 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.



A Valuable asset protection



- Integrates with alarm devices
- Reduces risk of crime



B Corridor observation



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



C Supervision of restricted areas



- Identifies unauthorised people circulating in restricted areas
- Monitors behaviour of authorised staff



D Public safety with Intrusion detection



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



E Entrance observation



- Monitors daily visitors and staff
- Identifies suspicious people



F Elevator monitoring



- Identifies suspicious behaviour within an enclosed space
- Monitors accidents



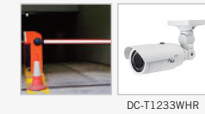
G External security



- Safeguards property and ensures personal safety



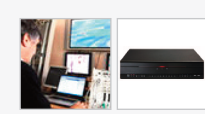
H Vehicle identification



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



I Video security centre



- 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

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

Camera Feature

IP66	Weather Resistant	VP	Vandal Proof
DWDR	Digital Wide Dynamic Range	IR	IR Illumination
TDM	True Day/Night		

UNIVERSITIES

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



With violence and theft often a harsh reality of large, and often aging and complex campuses, DirectIP™ solutions provide centralised monitoring enabling instant verification and a rapid response to events. Improved situational awareness combined with DirectIP™ flexible and scalable HD surveillance increases security while driving improvements in operational efficiencies.

Intelligent observation

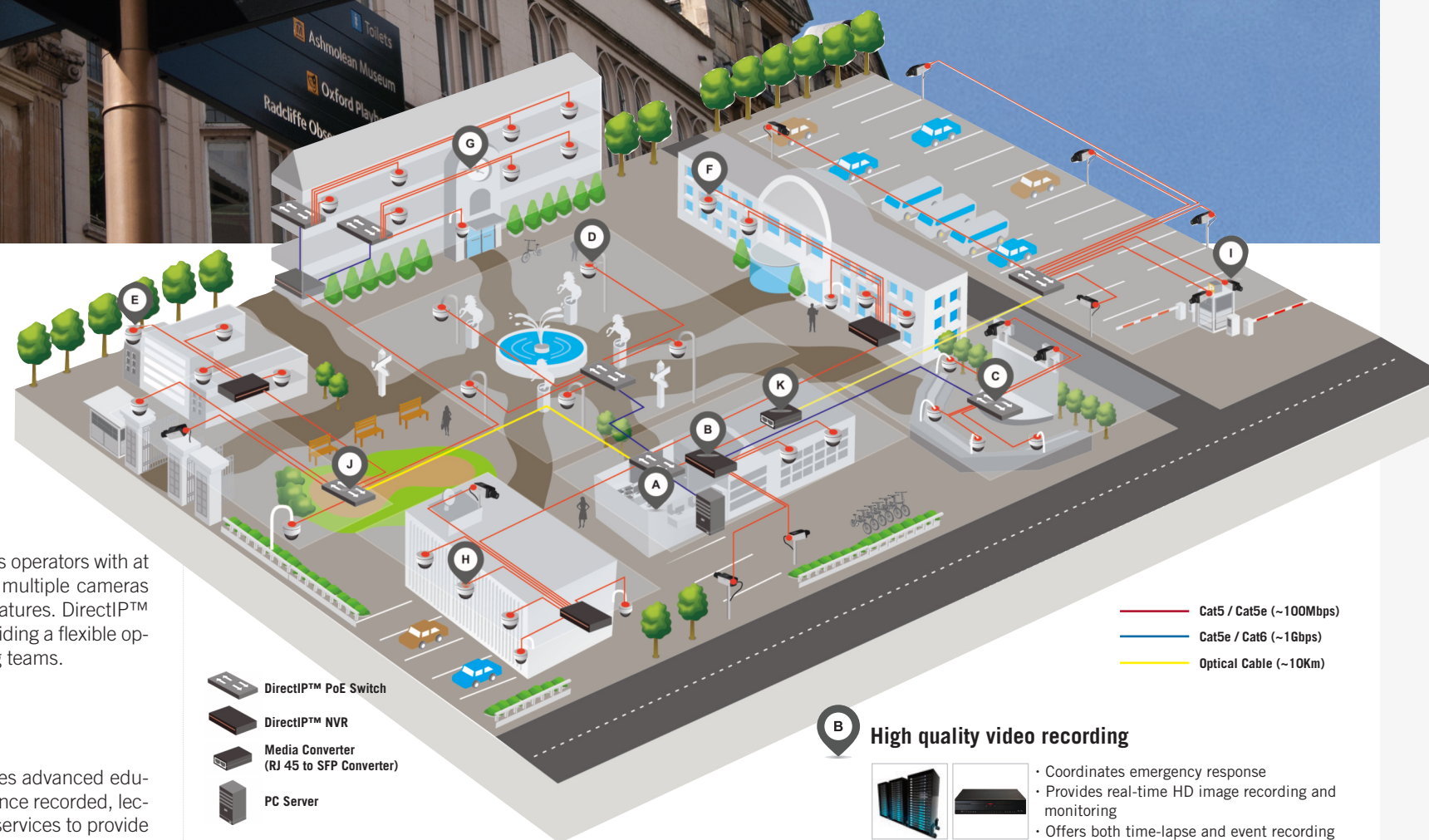
Centralised monitoring across campus facilities provides operators with at a glance verification of incidents and management of multiple cameras through real-time floor plans and intelligent mapping features. DirectIP™ solutions support remote access and management providing a flexible operational approach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

Video conferencing and lectures

Two-way audio and real-time streaming of video provides 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.



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

A Integrated surveillance solution

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

B High quality video recording

- DR-6132
- Coordinates emergency response
- Provides real-time HD image recording and monitoring
- Offers both time-lapse and event recording
- Gathers evidence to minimise fraud

C External public safety

- DC-S1263WH
- DC-T1232WR
- Reduces property damage
- Monitors acts of vandalism or graffiti
- Allows instantaneous reaction to incidents

D Safeguard walkways

- DC-S1263WH
- DC-T1232WR
- Identifies incidents and suspects
- Monitors pedestrian flow

E Valuable asset protection

- DC-D1223VR
- Prevents violence and theft
- Offers behavioural recognition technology

F Safe and peaceful classrooms

- DC-D1223V
- Protects students and staff from potential violent attacks
- Integrates with alarm devices
- Features a built-in audio interface terminal

G Indoor public safety

- DC-D1122
- Identifies suspicious objects
- Prevents or deters crime and public disorder

H Reduce goods shrinkage

- DC-D1122R
- DC-B1103
- Identifies shoplifters and suspicious activity
- Detects removal or loss of items at cafeteria

I Vehicle identification

- DC-T1233WHR
- Provides real-time clear viewing for tracking fast movement and vehicle license plates
- Detects crimes such as hit-and-run accidents and car break-ins

J Easy cable connection

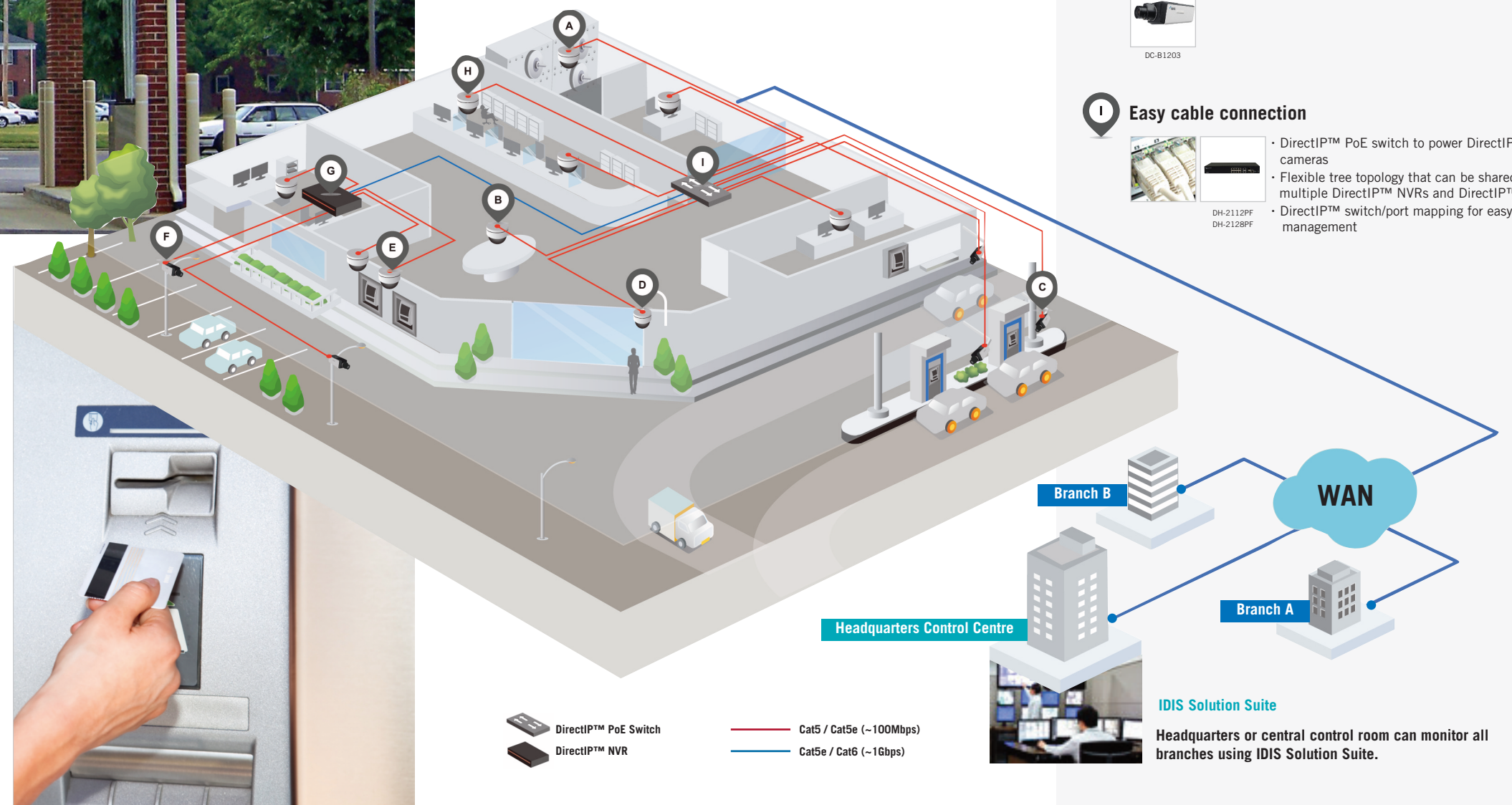
- DH-2112PF, DH-2128PF
- DirectIP™ PoE switch to power DirectIP™ cameras
- Flexible tree topology that can be shared with multiple DirectIP™ NVRs and DirectIP™ cameras
- DirectIP™ switch/port mapping for easy management
- SFP ready for long distance/high speed connection

K Long distance video communication

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

BANKS

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 utilises 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.

Centralised monitoring

With centralised 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.

A Valuable asset protection



- Integrates with alarm devices
- Offers behavioural recognition technology



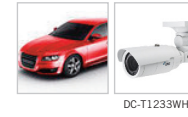
B Persons safety



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



C Vehicle identification



- Provides real-time clear view enabling tracking of even fast moving objects and vehicle license plates
- Features a built-in audio output interface terminal



D Entrance observation



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

DC-E1212WR



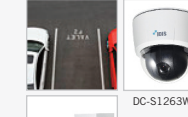
E ATM integration



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



F External security



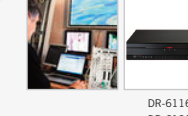
- Safeguards property and ensures personal safety



DC-T1232WR



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

DR-6116
DR-6132

H Authorised transaction



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

DC-D1223V



DC-B1203



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

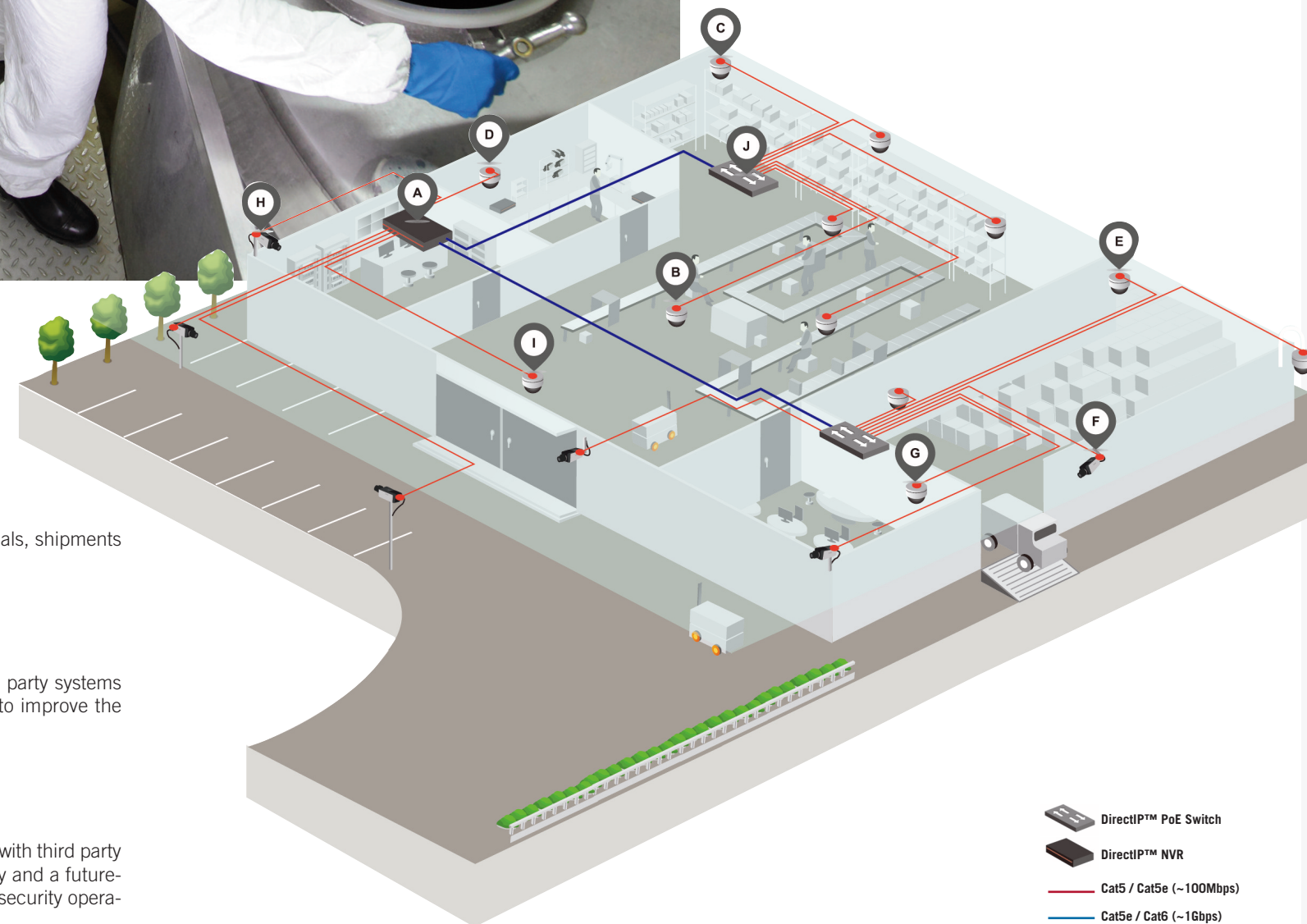
DH-2112PF
DH-2128PF

IDIS Solution Suite

Headquarters or central control room can monitor all branches using IDIS Solution Suite.

MANUFACTURING PLANTS

The perfect surveillance solution for regulated and hazardous industrial facilities.



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

With stringent regulation outlining compliance, health and safety as well as security challenges, DirectIP™ provides manufacturing facilities a centralised 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 centralised 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 centre



DR-6116
DR-6132

- 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 line



DC-D1223R

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



C Stock observation

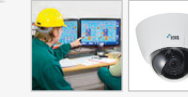


DC-D1122VR

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



D Improving quality control



DC-D1123

- Monitors and analyses the quality assurance process



DC-B1103

E Warehouse observation



DC-D1122R

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

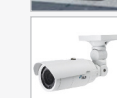


F Loading dock observation



DC-D1223WR

- Monitors the loading and unloading of goods



DC-T1232WR



G Supervision of restricted areas

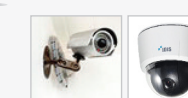


DC-D1122R

- Identifies unauthorised personnel entering restricted areas
- Monitors behaviour of authorised people

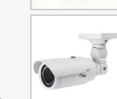


H External security



DC-S1263WH

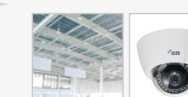
- Enhances factory perimeter protection
- Helps identify and investigate incidents
- Identifies suspicious vehicles or objects



DC-T1232WR



I Public safety



DC-D1223R

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



J Easy cable connection



DH-2112PF
DH-2128PF

- 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

HOSPITALS

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

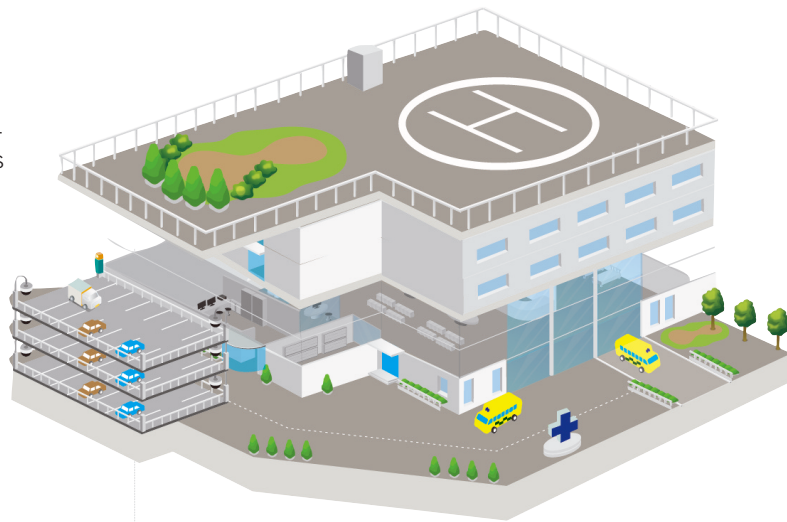
High-definition networked surveillance cameras can be leveraged to support patient care while real-time monitoring notifies staff instantly when a patient requires urgent assistance.

High-definition surveillance

DirectIP™ surveillance cameras provide crystal-clear images allowing operators to monitor and track patient and visitor movement across the entire hospital, thus preventing unauthorised 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.



A External security



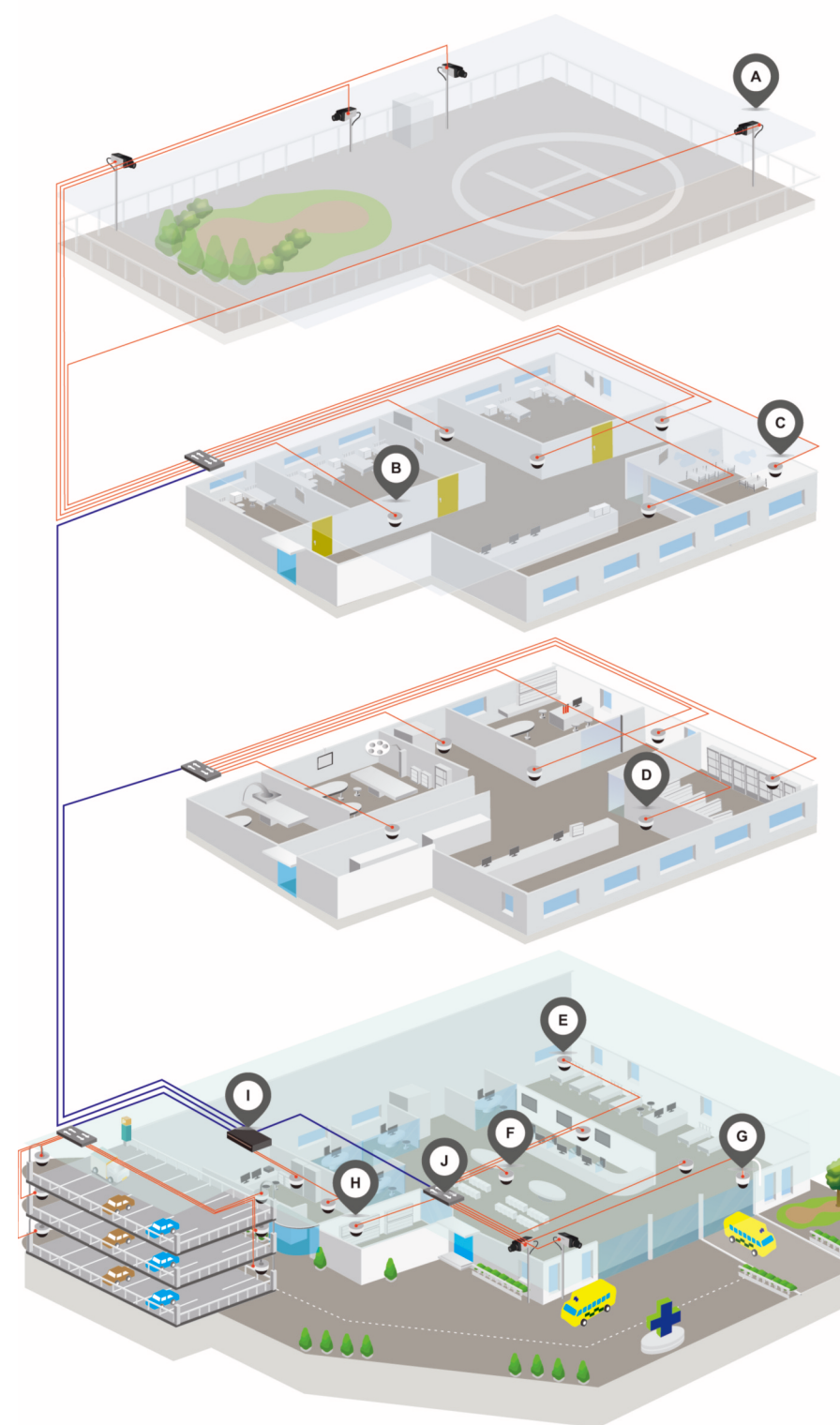
- Safeguards the hospital's property and ensures personal safety



B Corridor observation



- Providing a clear image view
- Tracking suspicious behaviour and monitoring incidents



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

C Child protection



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



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 unauthorised access



F Emergency recognition



- Provides wide and clear image view 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 centre



- Controls and manages all internal and external areas of a hospital
- 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

AIRPORTS

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



Ensuring the safety of travellers 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

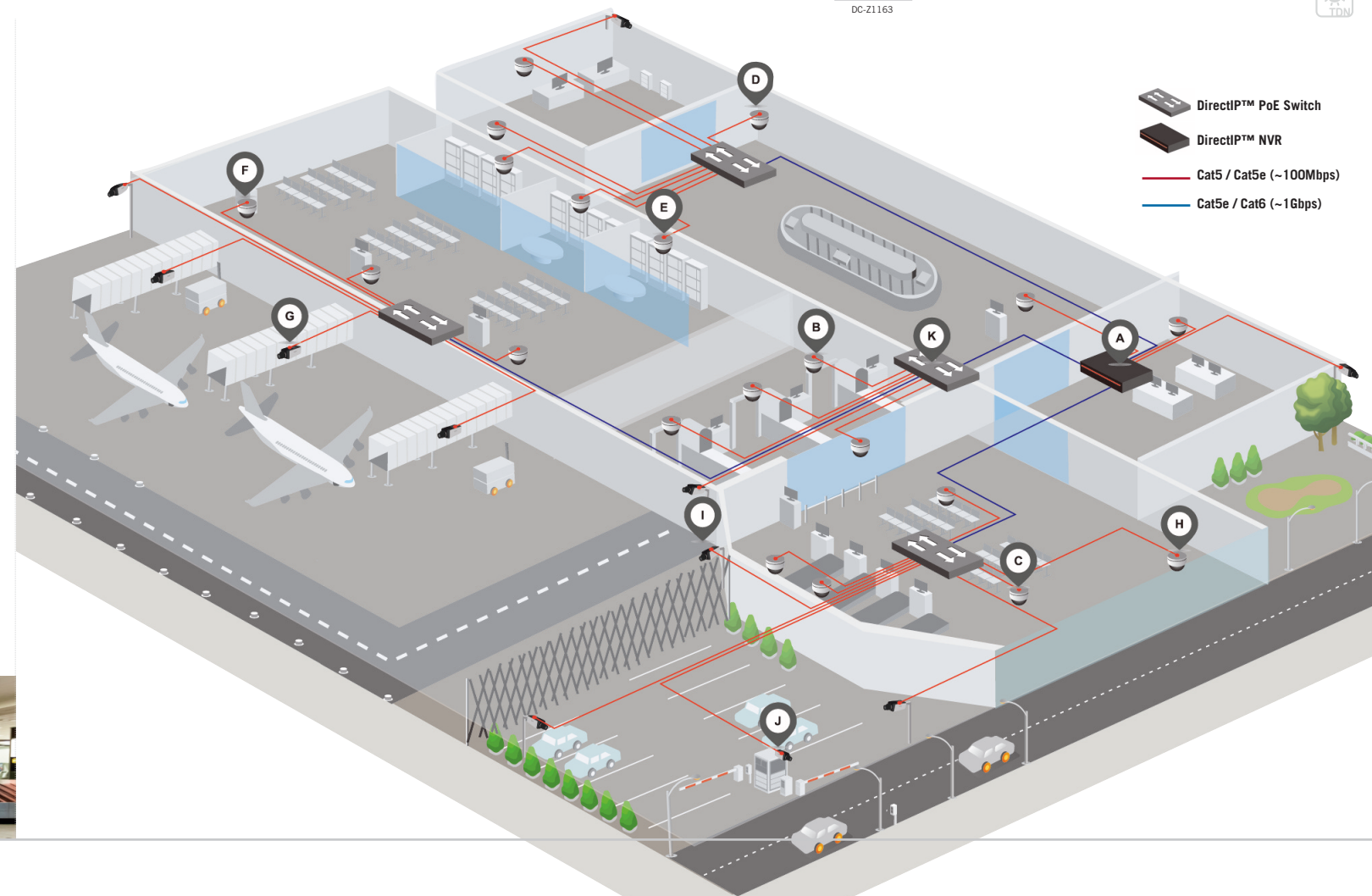
Throughout an airport there are many high-risk zones exposed to theft and malicious activity. The DirectIP™ NVR's built in panic recording system ensures operators can real time capture suspicious behaviour and respond before an event turns into a full-blown emergency.

Improved traffic flow

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

Hangar observation

DirectIP™ megapixel cameras catch even the tiniest of movements ensuring hangars and other restricted areas are protected against the risk of intrusion from unauthorised personnel.



A Video security centre



- Detects, identifies and investigates suspicious individuals or objects throughout the building
- Ensures high-quality and robust video recording
- Features event notification to mobile devices
- Identifies peak travel times and locations

DR-6132

B Check-in line monitoring



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

DC-D1223V

C Optimise travel capacity



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

DC-S1263WH



DC-D1223

D Identifying lost or stolen luggage



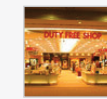
- Monitors passenger baggage
- Helps investigate lost or stolen luggage

DC-D1223



DC-Z1163

E Loss prevention



- Prevents retail theft

DC-D1223VR

F Public safety



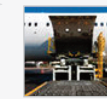
- Analyses suspicious behaviour
- Prevents terrorism

DC-D1123



DC-B1103

G Loading dock observation



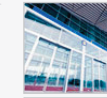
- Monitors the loading and unloading of goods

DC-D1223WHR



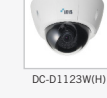
DC-T1232WR

H External security



- Enhances airport perimeter protection
- Helps identify and investigate incidents

DC-S1263WH



DC-D1123WH

I Supervision of restricted area



- Helps identify unauthorised people circulating in restricted areas
- Monitors authorised staff activities in restricted areas

DC-T1233WHR

J Vehicle identification



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

DC-D1223WHR



DC-T1233WHR

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

DH-2112PF

DH-2128PF

SUPERMARKETS

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 is 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 behaviour.

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 analysing customer behaviour marketing departments can optimise promotional efforts.

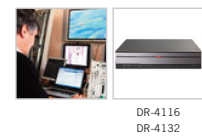
Customer safety and comfort

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



A Video security centre

- 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



DR-4116
DR-4132

B Monitor checkout service

- Verifies proper checkout procedures are observed
- Determines suspicious transactions



DC-D1123R

C Reduce goods shrinkage

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



DC-D1123R



DC-B1103

D Customer experience

- Verification and investigation of customer incidents quickly and efficiently
- Safeguards property and ensures personal safety



DC-D1122R



DC-B1103

E Improve marketing performance

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



DC-D1122R

F Protect high risk assets

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



DC-D1223VR

G Stock observation

- Monitors staff behaviour
- Facilitates best-practice stock management procedures
- Identifies unauthorised personnel entering restricted areas



DC-D1122R

H External security

- Safeguards property and ensures personal safety



DC-S1263WH



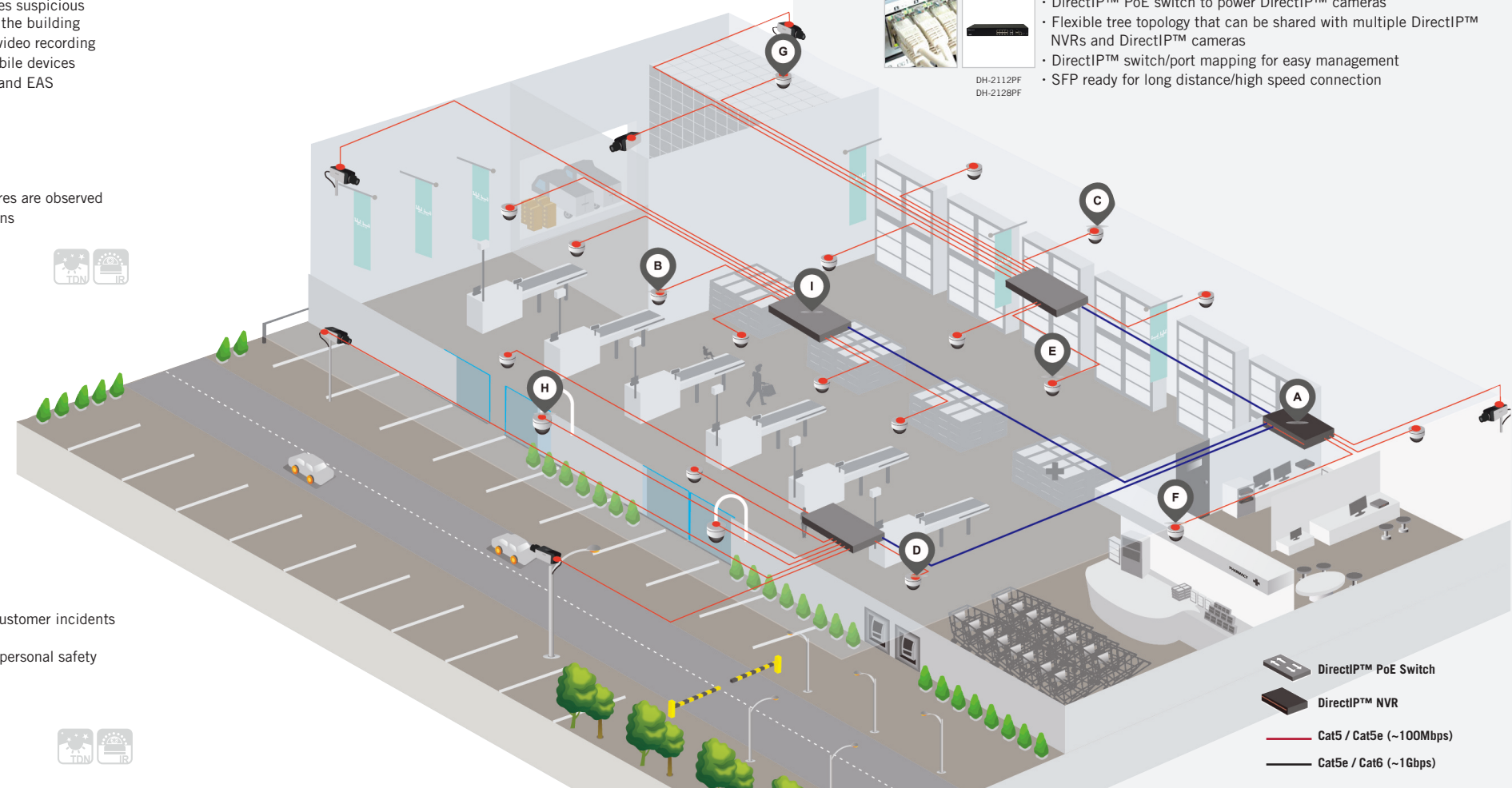
DC-T1233WHR

I Easy cable connection

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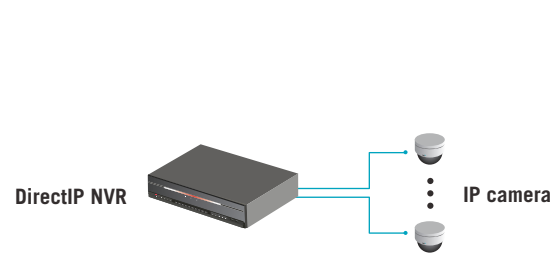
DH-2112PF
DH-2128PF



APPLICATIONS

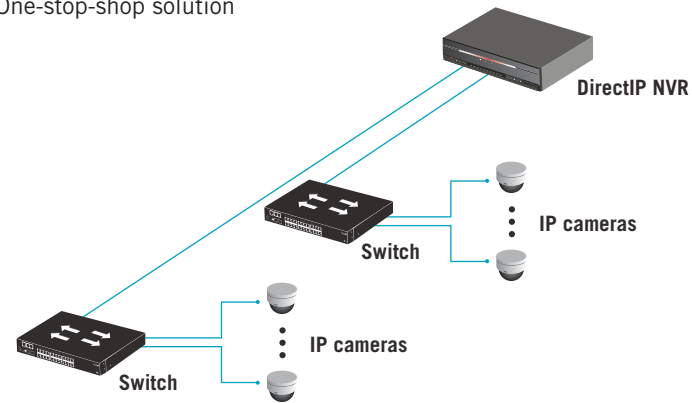
Small business installation

- Easy to install
- HD surveillance
- Affordable video solution



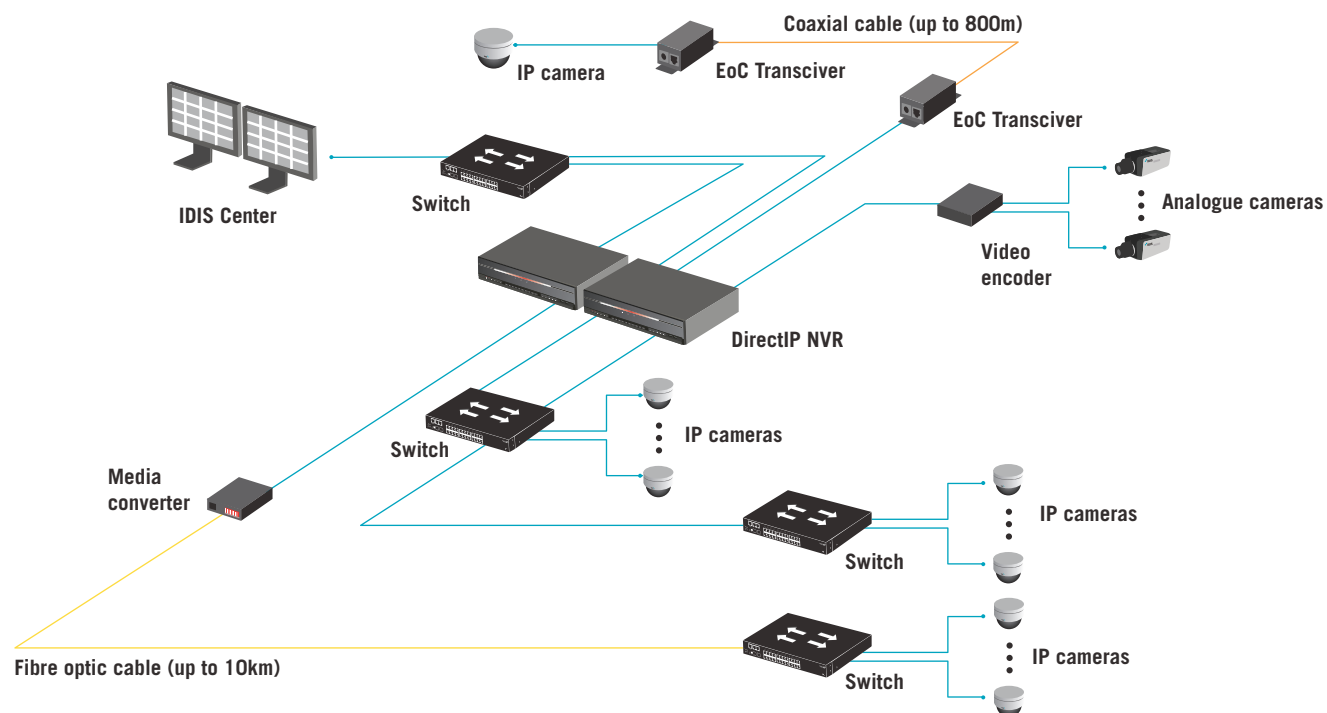
Medium business installation

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

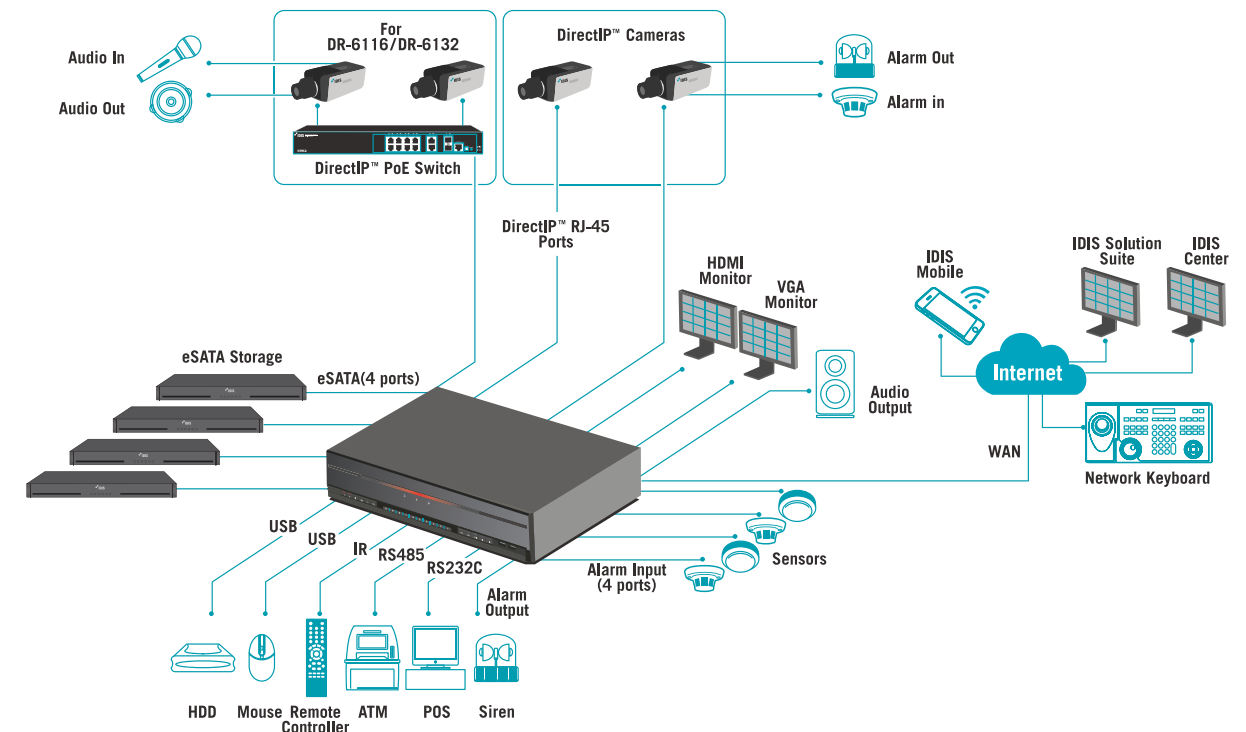


Large enterprise installation

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



DR-6100 series NVR connection diagram



DirectIP™ product lineup

Network Video Recorders				
Network IP Cameras				
Video Management Software				
Accessories				



Excellence in Surveillance



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