

PRODUCT CATALOGUE

UK & IRELAND

Driving Innovation to an **AIoT** Future



**IP/HDCVI/Transmission/Display & Control/Video Intercom/
Access Control/Accessories/VMS**

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Dear Colleague

We are delighted to introduce you to our brand new UK and Ireland 2020 catalogue. We'll be showing you how Dahua is becoming a world leader in the provision of innovative solutions, many of them harnessing the benefits of Artificial Intelligence (AI).

In fact, we are taking AI one step further by incorporating the technology into the Internet of Things. AIoT, as it's known, enables IoT devices to feature AI capabilities, so delivering intelligent and connected video-based solutions that are capable of analysing data. This means that video is no longer confined to just security and surveillance, but can be seamlessly extended to applications such as fire detection and suppression, video analytics, facial recognition and ANPR, payments and attendance, and retail analytics.

Talking of AIoT, we will be featuring these new solutions at IFSEC International 2020 in May, and you will find how our products and solutions help you to solve real-life problems based on scenarios, enhancing the efficiency while reducing the cost.

We are also pleased to say that we will again be holding our incredibly popular one-day Technology Showcase series of events in February and March across the UK and Ireland, where visitors will get hands-on product demonstrations, engineering and installation tips and presentations on AIoT solutions and technical training updates.

Although we're a global company, we pride ourselves in offering you a truly local service here in the UK and Ireland. We're also proud of our environmental credentials, manufacturing products and using systems which meet or exceed international standards, including REACH, RoHS and WEE certification.

We hope you'll agree that we have a very exciting year ahead and that we are well placed to offer you and your customers the innovative technology and added value you need to make 2020 an exceptional year. Together we can contribute to a safer, more secure and productive society.

Best regards

Dahua UK & Ireland Team



Company Overview



Dahua Technology is a world-leading video-centric smart IoT solution and service provider. Based on technological innovations, Dahua Technology offers end-to-end security solutions, systems, and services to create value for city operations, corporate management and consumers.

With more than 16,000 employees and over 50% engaged in R&D, Dahua Technology has solutions, products and services applied in 180 countries and regions. Since the launch of the industry's first self-developed 8-channel embedded DVR in 2002, Dahua Technology has devoted itself to technological innovation and been continuously increasing its investment in R&D, putting around 10% of its annual sales revenue into R&D. The company continues to explore emerging opportunities based on video IoT technologies and has already established business in machine vision, video conferencing systems, professional drones, electronic license plates, RFID and robotics etc.

Moreover, Dahua Technology has established more than 200 provincial offices in China as well as 53 overseas subsidiaries and representative offices covering the Asia Pacific, North America, Europe, Africa and other regions to provide customers with efficient and high-quality services. In addition, Dahua products are widely applied in key vertical markets such as public security, traffic, retail, banking and finance and energy etc. Numerous major projects have been installed with Dahua solutions and products – China International Import Expo, the Rio Olympics, G20 Hangzhou Summit, BRICS Xiamen Summit, Lincoln City Surveillance in UK, Recife CBTU Subway in Brazil as well as many others.

As a national high-tech enterprise, Dahua has applied for over 2,500 patents, including more than 150 international patents. Regarding manufacturing, the company's goal is to deliver the highest quality products with leading price performance to our global customers. It invests in process standardization, automation, advanced manufacturing technologies and continuous improvements to enhance the quality and efficiency of production lines.

Committed to the mission of "Enabling a safer society and smarter living", Dahua Technology will adhere to its core value of "customer-centered," in order to provide the market with excellent quality and service, to create more value for customers, and make unremitting efforts to build a safe, intelligent, convenient and efficient society.

Training Programme

As part of our dedication to improving best practice in the CCTV sector, we run regular training and certification programmes to give installers and engineers the necessary skills to design and install the most appropriate video solutions. The courses provide a combination of theory and hands-on, practical training using state-of-the-art technology, enabling participants to develop the skills they need to deliver the best video solutions.



DHSA

VSS-DHSA | Video Surveillance System—Dahua Security Associate (VSS-DHSA)

VSS-DHSA was introduced in 2016 and has been running in the UK for more than two years with thousands of trained installers across the UK and Ireland. This course will help you to become an authorised Dahua installer.

THE TRAINING MODULES INCLUDE:

- Brief introduction to Dahua UK & Ireland
- Introduction to IP
- Introduction to main functions
- Product selection and system
- Remote Access
- Over half the course is hands-on training



Scan the QR code to get more info or book the course

DHSP

Video Surveillance System—Dahua Security Professional (VSS-DHSP)

VSS-DHSP was launched in September 2019 and is suitable for engineers, system integrators and security consultants who have already taken and passed the Video Surveillance System course—Dahua Security Associate (VSS-DHSA).

The course will enable you to take your learning one step further, enhancing your competitiveness in the marketplace and helping you to gain more knowledge about Dahua's advanced technology, including new AI technology.

THE TRAINING MODULES INCLUDE:

- SMD Plus
- Active Deterrence
- Perimeter Protection
- Face Recognition
- ANPR

DHSE

Video Surveillance System—Dahua Security Expert (VSS-DHSE)

VSS-DHSE is our newly introduced training programme, launched in December 2019. This training programme is for all engineers, system integrators and security consultants who have already taken the Video Surveillance System—Dahua Security Professional (VSS-DHSP). The course will allow you to take your learning one step further to enhance your competitiveness in the marketplace.

This course will help you to understand and gain knowledge about Dahua DSS (VMS Platform) and to know how to design a holistic surveillance solution.

THE TRAINING MODULES INCLUDE:

- Dahua DSS introduction
- DSS deploy & configure
- DSS basic functions
- DSS Artificial Intelligence

About the Training

Location:



You can choose to attend training at Dahua's offices (Maidenhead, Leeds or Glasgow) or at the offices of one of Dahua's official distributors.

Fees:



Training at Dahua offices in Maidenhead or Leeds is free. For training at a Dahua distribution partner, please contact your preferred distributor for further information.

Format & Duration:



The training is conducted using a classroom format with 10 trainees per session and usually lasts one day, with food and drinks provided.

Exam & Certification:



An exam will be conducted at the end of the training course and a certificate, valid for 2 years, will be awarded to anyone successfully passing the course. Anyone that doesn't pass the exam will be able to attend the next available course.



Chris Flavelle - Head of Training

Chris is a family man and long-term technical engineer, with over 17 years in the CCTV installation industry. His technical and installation background enables him to relate to and fully understand CCTV installers' needs and their challenges. He has been training installers for over 4 years, and during that time, has successfully trained more than 3,500 installers in the UK and Ireland.



LinkedIn

Chris Flavelle

WizSense IPC

Overview

The WizSense series IP camera features SMD plus and perimeter protection using a deep learning algorithm. This greatly improves alarm accuracy as it can identify human/vehicle classification. Through its adoption of AI coding technology, the WizSense series offers higher efficiency than H.265 & H.264, which can dramatically reduce storage cost. Powered by Starlight and True WDR technology, the WizSense series camera provides a high quality image.

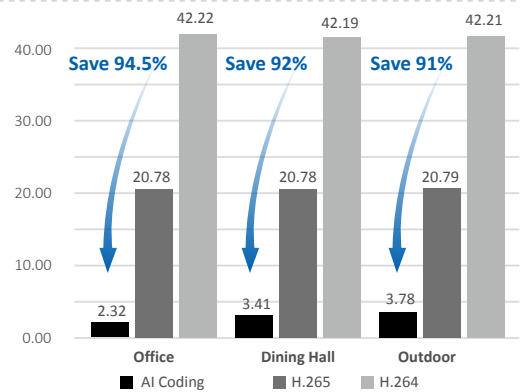
- AI Coding **90%** lower bit-rate than H.264
- SMD+ False alarm rate of less than **2%**
- WDR 120dB
- Perimeter Protection False alarm rate of less than **2%**, and **64%** less pixels required
- Starlight: **0.002**Lux@F1.6(2MP)
- **0.005**Lux@F1.6(5MP)

Highlights

• AI Coding

By adopting an advanced algorithm involving auto stream control which learns its environment, the Dahua “AI Coding” technology produces a higher efficiency than H.265 and H.264, providing high-quality videos, and reducing cost of storage and transmission.

Benefit: with the same scenario, the storage cost of 1080P low bit-rate solution is more than 90% lower than that of H.264.



• SMD Plus

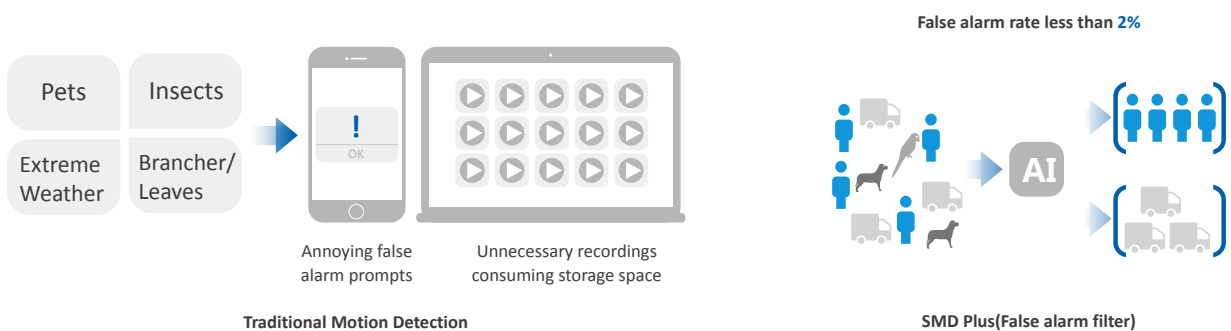
Smart Motion Detection Plus (SMD Plus) filters out the motion detection alarms triggered by non-target objects and effectively recognises humans and vehicles, instead only sending accurate alarms when intrusion has been detected.



Scan the QR code to watch the video

Benefits:

i.Reduces false alarm rate by less than 2% by filtering out leaves, lights, pets and extreme weather.



ii.Greatly improves search efficiency and saves event retrieval time.



Applications:

- Factory – prevents unauthorised human or vehicle from entering restricted area
- Museum – safeguards important cultural relics
- Villa – deters intruders from breaking in
- Airport – monitors restricted zones within the airport vicinity

• Perimeter Protection

This series supports intelligent detection with its advanced video algorithm, including tripwire and intrusion that categorise targets as a human or vehicle. It also works with Smart NVR in order to perform refined intelligent search, extract events and merge event videos.

Benefits:

i. False alarm rates of less than **2%**. The false alarm rate triggered by non-target objects like small animals, tree movement, shadows and bright lights is significantly lower than traditional IVS solutions.

ii. Requires 64% less pixels compared to traditional IVS solutions, allowing each perimeter protection camera to cover larger areas from far away.



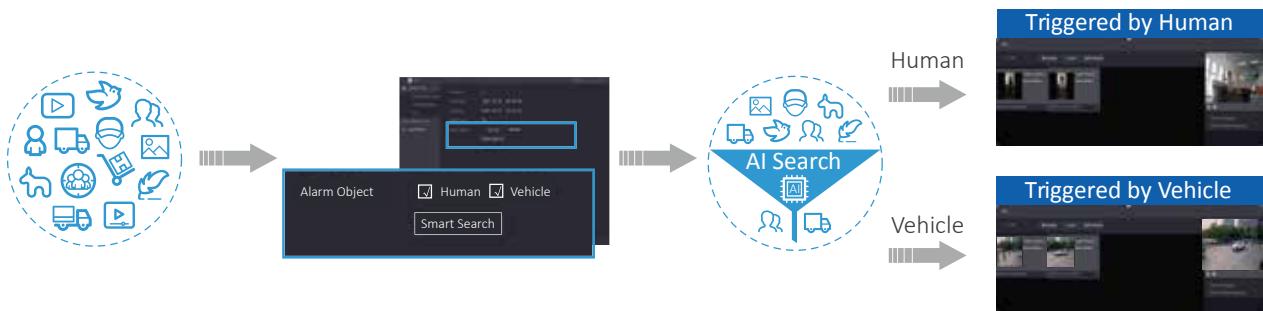
Traditional IVS

- Missed alarms
- Groups of people are regarded as 1 trigger
- Distant objects are not tracked

Perimeter protection

- All humans & moving cars detected
- Each person is counted and tracked individually
- Distant objects can be detected

iii. Differentiates alarm trigger type into human and vehicle. Rules can be set to limit different trigger types according to real requirements. Utilises “smart search” feature to quickly search video footage by trigger type (human, vehicle), making it easy for users to trace event history and analyse information.



Scan the QR code to watch the video

Applications:

- Monitoring Zone (Park Perimeter, Farm Fence, Villa/Garden, Garage Entrance, Retail Store)
- Limited Access Area (Scenic Area, Museum, Danger Area, Warehouse, Parking Violation Area)

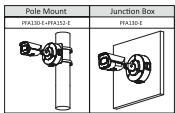
WizSense IPC

Fixed-focal



2MP: IPC-HFW3241E-AS 5MP: IPC-HFW3541E-AS IR Fixed-focal Bullet Network Camera

- 2.8mm/3.6mm/6mm lens optional
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 50 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

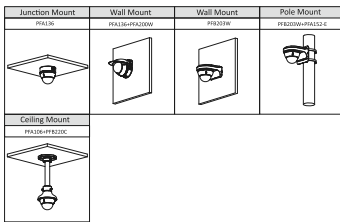


Fixed-focal



2MP: IPC-HDBW3241E-AS 5MP: IPC-HDBW3541E-AS IR Fixed-focal Dome Network Camera

- 2.8mm/3.6mm/6mm lens optional
- SMD Plus
- Perimeter Protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 50 m
- IP67, IK10 protection



MOUNTING ACCESSORIES

Optional:

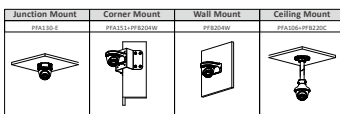


Fixed-focal



2MP: IPC-HDW3241EM-AS 5MP: IPC-HDW3541EM-AS IR Fixed-focal Eyeball Network Camera

- 2.8mm/3.6mm/6mm lens optional
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 50 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

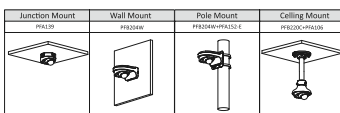


Fixed-focal



2MP: IPC-HDBW3241F-AS-M 5MP: IPC-HDBW3541F-AS-M IR Fixed-focal Dome Network Camera

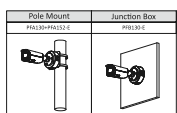
- 2.8mm/3.6mm/6mm lens optional
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 50 m
- Built-in Mic
- IP67, IK10 protection



MOUNTING ACCESSORIES

Optional:





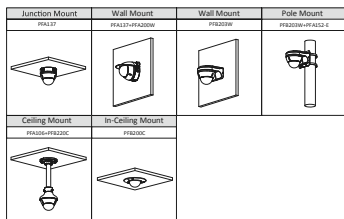
2MP: IPC-HFW3241T-ZAS
5MP: IPC-HFW3541T-ZAS
IR Vari-focal Bullet Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 60 m
- IP67, IK10(optional) protection

MOUNTING ACCESSORIES

Optional:

 PFA130-E Junction Box	 PFA152-E Pole Mount	 PFM321D DC12V1A Power Adapter
 LR1002-1ET/1EC Single-port long reach ethernet over coax extender	 PFM900-E Integrated Mount tester	 PFM114 TLC SD card



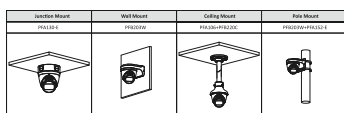
2MP: IPC-HDBW3241R-ZAS
5MP: IPC-HDBW3541R-ZAS
IR Vari-focal Dome Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 40 m
- IP67, IK10 protection

MOUNTING ACCESSORIES

Optional:

 PFA137 Junction Box	 PFB203W Wall Mount	 PFA152-E Pole Mount	 PFA200W Rain Shade
 PFA106 Mount Adapter	 PFB220C Ceiling Mount	 PFB200C In-Ceiling Mount	 PFM321D DC12V1A Power Adapter
 LR1002-1ET/1EC Single-port long reach ethernet over coax extender	 PFM900-E Integrated Mount tester	 PFM114 TLC SD card	



2MP: IPC-HDW3241T-ZAS
5MP: IPC-HDW3541T-ZAS
IR Vari-focal Eyeball Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- SMD plus
- Perimeter protection
- AI Coding, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 40 m
- Built-in Mic
- IP67 protection

MOUNTING ACCESSORIES

Optional:

 PFA130-E Junction Box	 PFB203W Wall Mount	 PFA106 Mount Adapter
 PFB220C Ceiling Mount	 PFA152-E Pole Mount	 PFM321D DC12V1A Power Adapter
 LR1002-1ET/1EC Single-port long reach ethernet over coax extender	 PFM900-E Integrated Mount tester	 PFM114 TLC SD card

WizSense PTZ

Overview

The WizSense series PTZ cameras are equipped with perimeter protection, smart capture and SMD+ functions that are powered by deep learning algorithms, providing higher accuracy than previous products. This series of PTZ products supports Starlight and WDR, which gives high quality images even under low-light or intense contrast lighting conditions. In addition, the Dahua self-developed PFA technology provides a method to achieve continuous and high-precision focus during the entire zooming process, which greatly improves user experience and increases product value.

- Innovative Dual-PTZ Design
- Smart Capture
- Quiet Moving (Low Noise less than **20dB**)
- Lens Invisible Design
- PFA Technology
- Smart Tracking
- Perimeter Protection with Auto-tracking
- Wide monitoring range (PTZ1A: **282°** large tilt range)
- Flexible mounting (PTZ1A: 2 orientation, Upright/Inverted)

Highlights

• Innovative Dual-PTZ Design

The SDT5X series' dual-PTZ system consists of a panoramic camera and a focused camera. These cameras can be separately adjusted, both horizontally and vertically. The panoramic camera captures panoramic images, while the PTZ camera takes detailed snapshots of objects and keeps tracking when a rule violation occurs.



Scan the QR code to watch the video



• Smart Tracking

The SDT5X series' dual-PTZ system is very suitable for smart tracking. It can provide panoramic images during the tracking process, ensuring every human event is captured. This is a big advantage compared to traditional single-PTZ camera. Once the target triggers a rule in the panorama camera (e.g. tripwire and intrusion), the detailed camera will track it automatically.



• Smart Capture

Smart capture is based on a deep learning algorithm designed to capture and display images of human, motor vehicle and non-motor vehicle.



• Perimeter Protection with Auto-tracking

The perimeter protection based on deep learning improves alarm accuracy and reduces false alarms. The PTZ camera can also automatically track human or vehicle targets, which greatly improves the efficiency of PTZ tracking.



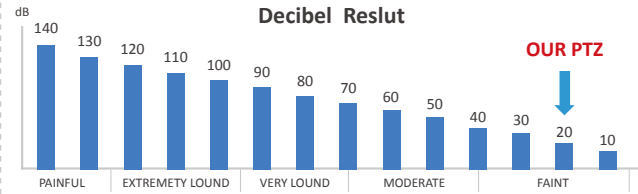
Scan the QR code to watch the video

• Quiet Moving

Professional noise test shows that the operating noise of the SD5A series PTZ camera is less than 20dB. This result indicates that the camera's movement produces extremely low sound and does not contribute to noise pollution.

Test Result

	Lp(dB)	Left(dB)	Right(dB)	Front(dB)	back(dB)	UP(dB)
Background	17.02	17.5	16.8	16.4	17.5	16.8
Tour	18.76	19.6	18.5	18.1	19.2	18.2
Pattern1	18.56	19.3	18.4	18	19	17.9
Pattern2	18.87	19.6	18.8	18.3	19.2	18.3
Pattern3	19.17	19.9	19	18.7	19.5	18.6



• Wide monitoring range

The PTZ1A series' positioning system supports a very wide monitoring range. It can realize 0°~360° endless pan range, and -90°~90° tilt range. The effective angle for tilt range is -51°~90°.



Whole tilt range can up to -90°~90°



Valid tilt range can up to -51°~90°

• Lens Invisible Design

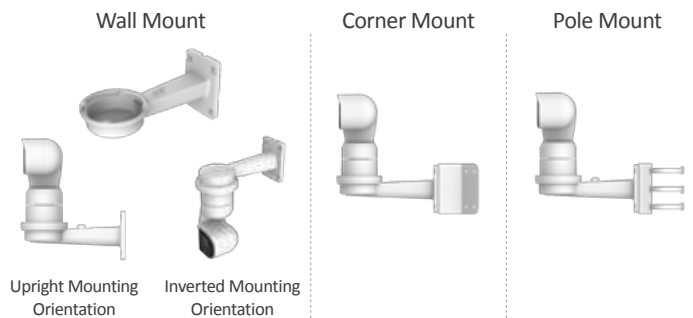
The all-black appearance and spherical design of the SD5A series' PTZ camera greatly increase the concealment of its lens.



Scan the QR code to watch the video

• Flexible mounting

The PTZ1A series' positioning system offers flexible installation that supports both upright and inverted mounting, providing convenient installation methods based on scenarios.



• PFA Technology

The PFA (Predictive Focus Algorithm) adopts Dahua newly-developed focus algorithm, which ensures the camera image stays focused while zooming, and greatly improves user experience and enhances product value.



Scan the QR code to watch the video



Camera with PFA

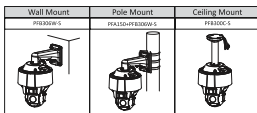
Camera without PFA

WizSense PTZ



4MP: SDT5X405-4F-WA Dual 4MP Starlight PTZ AI Network Camera

- Dual PTZ system
- 1/1.8" 4Megapixel CMOS
- 5x optical zoom
- Starlight technology
- Max. 25/30fps@4M
- Deep-learning-based auto tracking and perimeter protection
- Video metadata
- Smart tracking
- Support Hi-PoE
- IP67



MOUNTING ACCESSORIES

Included:



Optional:



4MP: SD6AL445XA-HNR-IR 2MP: SD6AL233XA-HNR-IR 45x/33x Starlight IR PTZ AI Network Camera

- Powerful 45x/33x optical zoom
- Starlight technology
- Deep-learning-based auto tracking and perimeter protection
- Support face detection
- Support Hi-PoE
- SMD plus
- IP67
- With wiper



MOUNTING ACCESSORIES

Included:

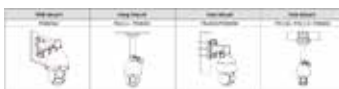


Optional:



4MP: SD5A445XA-HNR SD5A425XA-HNR 45x/25x Starlight IR PTZ AI Network Camera

- Powerful 45x/25x optical zoom
- Starlight technology
- Max. 25/30fps@4MP
- IR distance up to 150m
- SMD plus
- Deep-learning-based auto tracking and perimeter protection
- PoE+
- IP67, IK10
- Lens Invisible Design
- Quiet Moving with Low Noise less than 20dB



MOUNTING ACCESSORIES

Included:

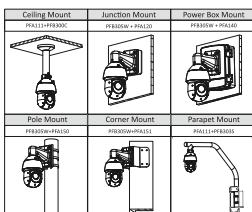


Optional:



4MP: SD49425XB-HNR SD49425XB-HNR-G(4G model) 2MP: SD49225XA-HNR 25x Starlight IR PTZ AI Network Camera

- Powerful 25x optical zoom
- Starlight technology
- Perimeter protection
- Support PoE+
- IR distance up to 100m
- SMD Plus
- IP66
- 4G model optional(-G)



MOUNTING ACCESSORIES

Included:



Optional:



WizSense Thermal

Overview

The WizSense series thermal camera is a compact size, and contains a dual-channel spectrum, and powerful combination of visible light and thermal imaging. This series integrates advanced Dahua image analysis and intelligent algorithms, providing a one-stop solution for small and medium-sized monitoring applications.

- Advanced Sensor(156% pixels more than the old model)
- Smoking Detection(Accuracy: 90%)
- Active Deterrence
- Call Detection(Accuracy: 90%)
- Temperature Measurement(Accuracy: ±5°C)
- Image Fusion(3 color modes)
- Object Classification (False alarm rate of less than 5%)
- Perimeter Protection(False alarm rate of less than 5%)
- Fire Detection (False alarm rate of less than 5%)
- ePoE(Max. 800m transmission)

Highlights

• Advanced Sensor

This series offers high sensitivity sensor with 256x192 pixels, an increased of 156% compared to the 160*120 pixels products in the market, . Its advanced fabrication level provides better image quality -- i.e. more details and higher image contrast.



• Image Fusion

The new fusion mode extracts not only the coordinates of the target and its overlay, but also its gray values, making the fusion more accurate.



Scan the QR code to watch the video

• Smoking Detection

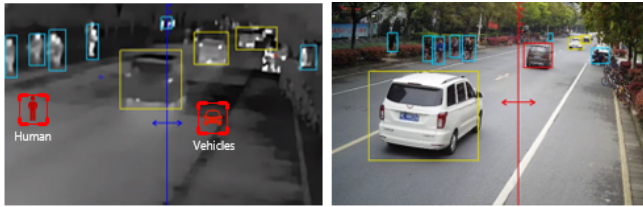
With the combination of dual spectrum, the visible-light channel detects human (head) and the thermal channel detects smokers, eliminating objects like cigarette lighter to a certain extent.



Scan the QR code to watch the video

• Object Classification

A simple background is essential for video analysis. With AI algorithms, the intelligent human/vehicle detection feature helps to reduce false alarms caused by camera movement, falling leaves, or other irrelevant objects, significantly improving alarm accuracy.



Scan the QR code to watch the video

• Active Deterrence

It is equipped with configurable white light and a loudspeaker alarm. Once an abnormal behavior has been detected by thermal channel, the white light and loudspeaker will turn on and create a visual or voice prompt. It will then proceed to record and take image snapshot.



• Call Detection



Scan the QR code to watch the video

• Temperature Measurement



Scan the QR code to watch the video

WizSense Thermal



TPC-BF2221-T
Thermal Network Hybrid Bullet Camera

- 256x192 VOx uncooled thermal sensor technology
- Athermalized lens (thermal camera), focus-free
- 1/2.8" 2Megapixel progressive scan CMOS
- Support ROI, motion detection, color palettes
- Smart temperature measurement
- Smart alarm linkage with strobe light & audio
- Fire detection & alarm
- Built-in 2/2 alarm in/out
- Micro SD memory, IP67, PoE, ePoE



MOUNTING ACCESSORIES

Optional:

PFA121
Water-proof Junction Box
(wall mount)

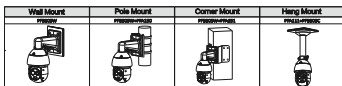
PFA121+PFA152-E
Water-proof Junction Box+Pole
Mount Bracket (pole mount)

PFA121+PFA151
Water-proof Junction Box+Corner Mount Bracket (corner mount)



TPC-SD2221-T
Thermal Network Hybrid Speed Dome Camera

- 256x192 VOx uncooled thermal sensor technology
- Athermalized lens (thermal camera), focus-free
- 1080P Full-HD image display
- Support ROI, motion detection, color palettes
- Smart temperature measurement
- Smart alarm linkage with strobe light & audio
- Fire detection & alarm
- Built-in 2/1 alarm in/out
- Micro SD memory



MOUNTING ACCESSORIES

Optional:

PFB305W
Wall mount bracket

PFB305W+PFA150
Water-proof junction box+wall
mount bracket (Pole Mount)

PFB305W+PFA151
Water-proof Junction Box+corner
Mount Bracket (Corner Mount)

PFA111+PFB300C
Joint connector+hang mount
bracket (Hang Mount)



TPC-BF1241
Thermal Network Mini Hybrid Bullet Camera

- 256x192 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- 1/2.8" 4Megapixel progressive scan CMOS
- Support ROI, motion detection, color palettes
- Smart alarm linkage with strobe light & audio
- Support Fire detection & alarm
- Built-in 1/1 alarm in/out
- Micro SD memory, IP67, PoE



TPC-DF1241
Thermal Network Mini Hybrid Eyeball Camera

- 256x192 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- 1/2.8" 4Megapixel progressive scan CMOS
- Support ROI, motion detection, color palettes
- Smart alarm linkage with strobe light & audio
- Support Fire detection & alarm
- Built-in 1/1 alarm in/out
- Micro SD memory, IP66, PoE

WizSense NVR

NVR5000-I

Overview

Adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can serve as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

With build-in deep learning module, NVR5000-I series products adopt video image structuring technology based on deep learning algorithms, achieving high-precision human face recognition and perimeter protection. By applying deep learning artificial intelligence, NVR5000-I allows users to focus on what matters most, improves event response time and helps make actionable videos.

- Face Recognition (up to **4ch**, **24** faces/sec, **20** databases with up to **100,000** faces)
- Perimeter Protection (up to **16ch**, false alarm rate of less than **2%**)
- Metadata (up to **4ch**, **5** face attributes, **7** car attributes, **6** human body attributes)
- Compatible with ANPR/Thermal Camera

Highlights

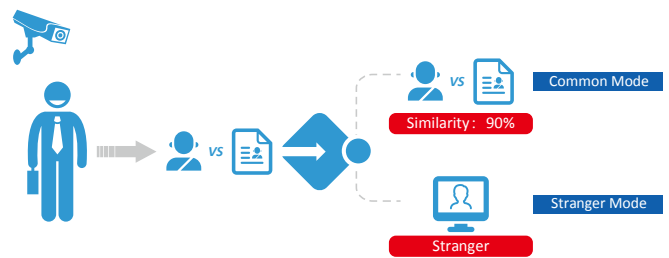
• Face Recognition

This technology is capable of identifying or verifying a person in a digital image, or in a video frame of a video source. It compares facial features from a given image with the face images in the database.

Benefits:

i. Real-time Recognition

Features preview and verification of persons in real-time. Allows active comparison with database and setting of alarm triggers. Supports up to 24 pictures/s face recognition and 20 databases with up to 100,000 face images.



ii. Metadata Search

Enhances search accuracy and efficiency. Finds the target person quickly with facial metadata, including age, gender, glasses, mask, beard and expression.



iv. Image search

Searching via face image function enables operators to quickly and easily search through multiple channels within 7 days, letting them know when and where a person of interest has appeared.

Offers high accuracy in searching target persons (even those that are not in the database) by uploading face images.

Allows up to 8 target face images search at the same time.

Supports similarity threshold set for each target face image.



Applications:

- Business Parks, Schools and other entrances and exits attendance by Face Detection
- Main entrances and exits of Urban and Towns and Irregular Security Monitoring Point, Escaped Prisoner Identification
- Prison Entrance, Registration and Identification of Visitors
- Entrance of Supermarket/Shopping Mal, Petty Thief Recognition
- Football Field Entrance, Hooligan Recognition
- Key Areas of Banks, Non-staff forbidden

• Perimeter protection



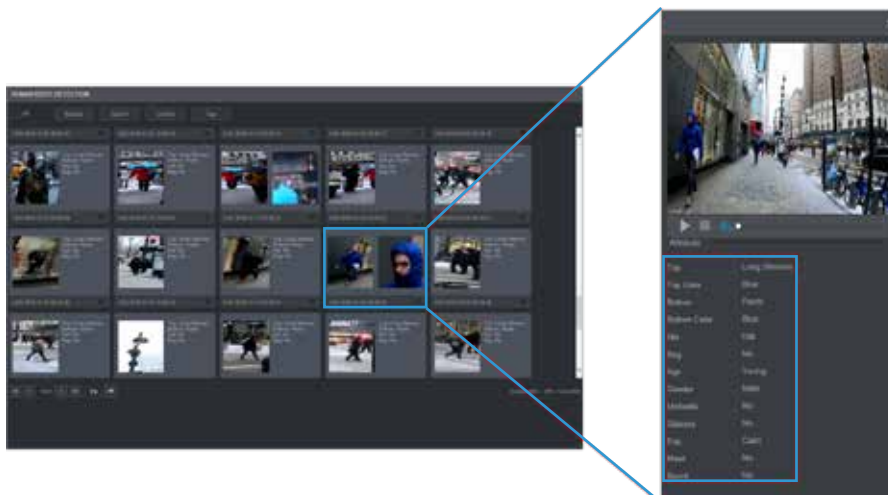
Scan the QR code to watch the video

Applications:

- Monitoring Zone(Park Perimeter,Farm Fence,Villa/Garden,Garage Entrance,Retail Store)
- Limited Access Area(Scenic Area,Museum,Danger Area,Warehouse,Parking Violation Area)

• Metadata

Metadata of Face, Vehicle, Human body, and Non-motor vehicle significantly makes it easier for users to locate objects of interest.



WizSense NVR5000-I

2HDD



NVR5216-16P-I

16Channel 1U 16PoE AI Network Video Recorder

- 16-Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 channels for perimeter protection
- Up to 4 channels for video stream face recognition
- Supports up to 24 face pictures/sec processing
- Supports up to 20 face databases with 100,000 face images in total
- 1-8 PoE Ports support ePoE & EoC

4HDD



NVR5432-16P-I

32Channel 1.5U 16PoE AI Network Video Recorder

- 32-Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 channels for perimeter protection
- Up to 4 channels for video stream face recognition
- Supports up to 24 face pictures /sec processing
- Supports up to 20 face databases with 100,000 face images in total
- 1-8 PoE Ports support ePoE & EoC

8HDD



NVR5864-I

64Channel 2U AI Network Video Recorder

- 64 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face pictures /sec processing
- Up to 20 face databases with 100,000 face images in total

NVR4000-I

Overview

Dahua new NVR4000-I network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. It can provide the capability of 4K resolution processing for applications where image details are highly required. It also supports input, recording and transmission functions.

NVR4000-I series products also adopt video image structuring technology based on deep learning algorithms, achieving high-precision human face recognition and perimeter protection.

- Face Recognition (ip to **2ch**, **12** faces/sec, **10** databases with up to **20,000** faces;)
- Perimeter Protection (up to **8ch**, false alarm less than **2%**)
- Compatible with ANPR(up to **4ch**)

WizSense NVR4000-I



NVR4208-8P-I 8-Channel 2HDDs 8PoE AI NVR

- 8-Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 4 channels for perimeter protection
- Up to 2 channels for video stream face recognition / 8 channels for picture stream face recognition (with FD camera)
- Supports up to 12 face pictures/sec processing
- Supports up to 10 face databases with 20,000 face images in total
- 1-8 PoE Ports support ePoE & EoC



NVR4216-16P-I 16-Channel 2HDDs 16PoE AI NVR

- 16-Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 4 channels for perimeter protection
- Up to 2 channels for video stream face recognition / 8 channels for picture stream face recognition (with FD camera)
- Supports up to 12 face pictures/sec processing
- Supports up to 10 face databases with 20,000 face images in total
- 1-8 PoE Ports support ePoE & EoC



NVR4216-I 16-Channel 2HDDs AI NVR

- 16-Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 4 channels for perimeter protection
- Up to 2 channels for video stream face recognition / 8 channels for picture stream face recognition (with FD camera)
- Supports up to 12 face pictures/sec processing
- Supports up to 10 face databases with 20,000 face images in total

Value IPC

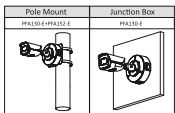
Overview

With upgraded H.265 encoding technology, the Dahua Lite series camera boasts an efficient video encoding capacity that significantly saves bandwidth and storage space. This camera adopts the latest Starlight technology and displays colorful images even under environment with low illumination. It also supports SD card storage, waterproof function and dust-proof function, complying to the standards of IP67.

- Wide Dynamic Range (120db WDR)
- Intelligent Video Analysis (IVS, 2 modes tripwire and intrusion)
- Starlight (minimum 0.002 Lux/F1.6)
- Wide Voltage Tolerance $\pm 30\%$

Value IPC

Fixed focal



2MP: IPC-HFW2231S-S-S2
5MP: IPC-HFW2531S-S-S2
8MP: IPC-HFW2831S-S-S2

IR Fixed-focal Bullet Network Camera

- 2.8mm/3.6mm lens optional
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 30 m
- Supports max. 256 GB Micro SD card
- IP67 protection

MOUNTING ACCESSORIES

Optional:



PFA130-E
Junction Box



PFA152-E
Pole Mount



PFM321D
DC12V1A
Power Adapter



LR1002-1ET/1EC
Single-port long reach ethernet over coax extender

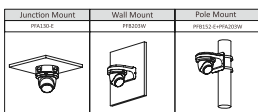


PFM900-E
Integrated Mount tester



PFM114
TLC SD card

Fixed focal



2MP: IPC-HDW2231TM-AS-S2
5MP: IPC-HDW2531TM-AS-S2
8MP: IPC-HDW2831TM-AS-S2

IR Fixed-focal Eyeball Network Camera

- 2.8mm/3.6mm lens optional
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 30 m
- Built-in MIC
- Supports max. 256 GB Micro SD card
- IP67 protection

MOUNTING ACCESSORIES

Optional:



PFA130-E
Junction Box



PFB203W
Wall Mount



PFA152-E
Pole Mount



PFM321D
DC12V1A
Power Adapter



LR1002-1ET/1EC
Single-port long reach ethernet over coax extender

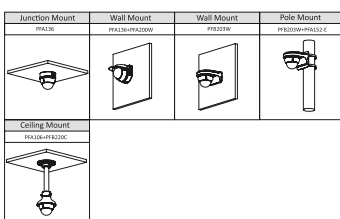


PFM900-E
Integrated Mount tester



PFM114
TLC SD card

Fixed focal



2MP: IPC-HDBW2231E-S-S2
5MP: IPC-HDBW2531E-S-S2
8MP: IPC-HDBW2831E-S-S2

IR Fixed-focal Dome Network Camera

- 2.8mm/3.6mm lens optional
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 30 m
- Supports max. 256 GB Micro SD card
- IP67, IK10 protection

MOUNTING ACCESSORIES

Optional:



PFA136
Junction Box



PFA200W
Rain Shade



PFB203W
Wall Mount



PFA152-E
Pole Mount



PFA106
Mount Adapter



PFB220C
Ceiling Mount



PFM321D
DC12V1A
Power Adapter



LR1002-1ET/1EC
Single-port long reach ethernet over coax extender



PFM900-E
Integrated Mount tester



PFM114
TLC SD card



2MP: IPC-HFW2231T-ZAS-S2
5MP: IPC-HFW2531T-ZAS-S2
8MP: IPC-HFW2831T-ZAS-S2
IR Vari-focal Bullet Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 60 m
- Supports max. 256 GB Micro SD card
- IP67 protection

Pole Mount	Junction Box

MOUNTING ACCESSORIES

Optional:



MOUNTING ACCESSORIES

Optional:



2MP: IPC-HDBW2231R-ZAS-S2
5MP: IPC-HDBW2531R-ZAS-S2
8MP: IPC-HDBW2831R-ZAS-S2
IR Vari-focal Dome Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 60 m
- Supports max. 256 GB Micro SD card
- IP67, IK10 protection

Junction Mount	Wall Mount	Wall Mount	Pole Mount

MOUNTING ACCESSORIES

Optional:



2MP: IPC-HDW2231T-ZS-S2
5MP: IPC-HDW2531T-ZS-S2
8MP: IPC-HDW2831T-ZS-S2
IR Vari-focal Eyeball Network Camera

- 2.7mm-13.5mm motorized vari-focal lens
- Smart Codec, high compression rate, low bit rate
- Excellent low light performance
- Built-in IR LED, max. IR distance: 40 m
- Supports max. 256 GB Micro SD card
- IP67 protection

Junction Mount	Wall Mount	Ceiling Mount	Pole Mount

Value PTZ

Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, the Dahua cameras can provide large monitoring range and rich image details. They achieve excellent low light performance through the latest Starlight technology. They also feature smooth control, high quality image and good protection that meet most video surveillance application requirements.

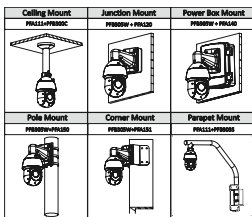
- Starlight (Min. Illumination: **0.005** Lux/F1.6)
- PFA Technology
- Auto-tracking (except SD49)

Value PTZ



SD49225T-HN 2MP 25x Starlight IR PTZ Network Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Starlight technology
- Max.25/30fps@1080P
- IVS
- Supports PoE+
- IR distance up to 100m
- IP66



MOUNTING ACCESSORIES

Included:



PFB305W
Wall Mount

Optional:



PFA111
Mount Adapter



DC12V/3A
Power Adapter



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



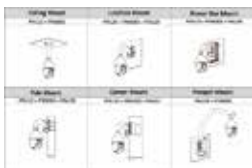
PFA151
Corner Mount



PFB303S
Parapet Mount

SD59230U-HNI 2MP 30x Starlight IR PTZ Network Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 30x optical zoom
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P
- Auto-tracking and IVS
- Supports PoE+
- IR distance up to 150m
- IP66
- Auto tracking



MOUNTING ACCESSORIES

Included:



PFB300S
Wall Mount



PFA110
Mount Adapter



AC24V/3A
Power Adapter

Optional:



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount

SD59430U-HNI 4MP 30x Starlight IR PTZ Network Camera

- 1/3" 4Megapixel CMOS
- Powerful 30x optical zoom
- H.265 Encoding
- Max. 25/30fps@4M/3M, 25/30/50/60fps@1080P
- Auto-tracking and IVS
- Supports PoE+
- IR distance up to 100m
- IP66
- Auto tracking



MOUNTING ACCESSORIES

Included:



PFB300S
Wall Mount



PFA110
Mount Adapter



AC24V/3A
Power Adapter

Optional:



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount

Value NVR

NVR5000-4KS2(E)

Overview

Dahua's NVR5000-4KS2(E) network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can serve as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Due to its easy-to-install design, the NVR is ideal for a wide range of application scenarios including public areas, water treatment facilities, transportation, city centers, schools and financial institutions.

The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.

- Smart Fan
- Hardware Reset
- ANPR by Camera
- P2P
- 4K Resolution Decoding and Display
- Smart Codec Decoding (up to **85%** reduced bandwidth compared to H.264)
- SMD Plus by Camera (less than **2%** false alarm)
- Fisheye Dewarping (**3** Installation mode, **10** dewarping view)
- Perimeter Protection by Camera (less than **2%** false alarm, up to **99%** object classification accuracy)
- ePoE (CAT5e/CAT6 **800m**/10Mbps **300m**/100Mbps) & EoC (RG59 **1000m**/10Mbps, **400m**/100Mbps)

Value NVR5000-4KS2(E)



8ch: NVR5208-8P-4KS2E
16ch : NVR5216-16P-4KS2E

8/16 Channel 1U 8/16PoE 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- 1-8 PoE ports support 800m ePoE & EoC



NVR5432-16P-4KS2E

32-Channel 1.5U 16PoE 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- 2HDMI/2VGA simultaneous video output
- 1-8 PoE Ports Support 800m ePoE & EoC



NVR5864-4KS2

64-Channel 2U 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- 2HDMI/2VGA simultaneous video output



NVR4000-4KS2/L

Overview

Dahua's NVR4000-4KS2/L network video recorder is a highly cost-effective product, providing functions such as local live view, multi-screen display, real-time storage on local HDD, fast operation by mouse, and remote management and control.

- Smart Codec Decoding (up to **85%** reduced bandwidth compared to H.264)
- SMD Plus by Camera
- 4K Resolution
- Perimeter Protection by Camera

Value NVR4000-4KS2/L



4ch: NVR4104HS-P-4KS2/L
8ch: NVR4108HS-8P-4KS2/L

4/8 Channel Compact 1U 4/8PoE 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 80Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback



NVR4116HS-4KS2/L

16-Channel Compact 1U 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 80Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback



NVR4216-16P-4KS2/L

16-Channel 1U 16PoE 4K&H.265 Network Video Recorder

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 128Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback

HDCVI

Overview

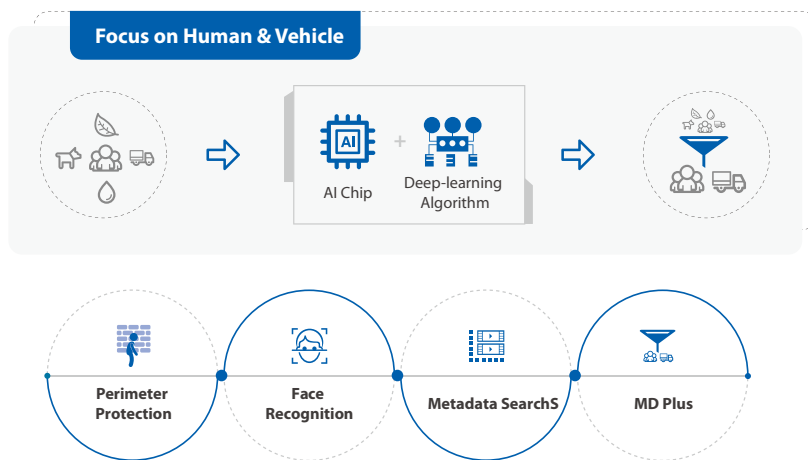
As the introducer of HDCVI, Dahua continuously enhances its technology leadership in the HDCVI community through its state of the art performance in terms of resolution, intelligence and usability. This year, Dahua unveils HDCVI 6.0 with industry's first 4K real-time and AI capabilities. This brand-new technology provides a superior visual experience both in live view and playback through its 4K real-time solution and AI coding while maintaining the same HDD storage. The two-way talk achieves real-time communication between camera and recorder with a broadcast-quality audio. In addition, HDCVI with enhanced AI can identify humans and vehicles in a video, alerting users with accurate alarms and enabling a quick search with optional "human" or "vehicle" video type. HDCVI is bringing fresh ideas and new possibilities to the industry, and will always provide more economical, safer and more convenient solutions to customers.

- 4K Real-time (**4K@25/30fps**)
- Enhanced AI
- AI Coding
- Two-way Talk
- Starlight
- Full Color
- PoC(max **400m**;save up to **30%** deployment costs)
- Broadcast-quality Audio (SNR**≥20dB**)
- Active Deterrence with PIR(**10m/110°**detecting range/angle)

Highlights

Enhanced AI

- Adopting independent AI chip with up to 4T computing power and advanced deep-learning algorithm, HDCVI enables precise recognition of human, motor vehicle and non-motor vehicle.
- Enhanced AI supports face recognition, perimeter protection, metadata, SMD Plus etc. that can be used for potential risk prevention, real-time event alarm, and quick enquiry.



AI Coding

- Dahua AI takes the video compression to a new level of content-aware encoding which can avoid noise and can produce a more detailed image.
- Automatically encodes with a target perceptual quality through recognition of moving human or vehicle, significantly improving the streaming quality compared with H.265+.
- Decreases the bandwidth when there is no real target in sight, allowing efficient handling of videos to save HDD storage cost.



• 4K Real-time

- 4K real-time is a unique and leading technology in HD-Over-Coax market.
- It restores monitoring location with 30 fps for a better visual experience.
- Offers superior clarity in collecting even tiny details within a large monitoring coverage.
- AI coding saves storage costs, allowing users to enjoy the advantages of upgrading to higher resolution while maintaining the current storage expense.



4K Real-time

4K Non-real ime



Scan the QR code to watch the video

• Two-way Talk

- Two-way talk is a unique and leading technology in HD-Over-Coax market and a breakthrough innovation in Audio-Over-Coax technology.
- Aside from satisfying users' demand for auxiliary audio information, Two-way talk also enables bi-directional audio intercom that can be used to warn off intruders and to provide guidance when an accident occurs.
- Advanced audio noise reduction technology provides "broadcast level" audio quality, providing users with a multi-dimensional and high quality video surveillance solution.



• Full Color

HDCVI full-color camera provides 24-hour colorful image, which presents color details that helps identify people, vehicles or other objects accurately in low-light conditions.



Full-color

B/W



Scan the QR code to watch the video

• Active Deterrence

HDCVI Active Deterrence Solution is designed to provide a simple and reliable video surveillance system that can accurately sound alarm and flash white light when intrusion has been detected. It can also take timely action to prevent further crime, and offer visual verification for alarms.



PIR Triggering



SMD Triggering

Benefit: Provides strong white light and loud siren to warn off intruders, even before the user became aware of the situation.

• **Broadcast-quality Audio**

With Audio-over-Coax technology, HDCVI system is able to collect audio without extra wiring.

Benefit: By taking advantage of lossless signal transmission technology, HDCVI further enhances audio quality.



Scan the QR code to watch the video

Competitors have no product supporting Audio-over-Coax.

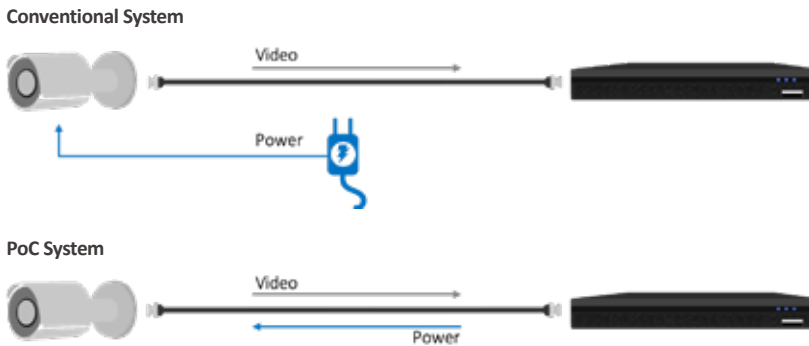


• **PoC**

PoC, short term for Power over Coax, transmits both video and electrical power over a single coaxial cable. By eliminating separate camera power supplies, HDCVI PoC technology further simplifies HDCVI system deployment, therefore reducing time and cost.

Benefits:

i. Saves up to 30% on system deployment costs and enhances power stability.



Scan the QR code to watch the video

ii. It can support maximum of 400m transmission distance.

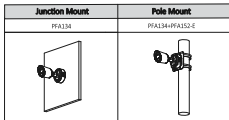
HDCVI Camera

Fixed-focal



5MP: HAC-HFW1500T(-A) HDCVI IR Bullet Camera

- HD and SD output switchable
- 2.8mm/3.6mm lens optional
- Built-in IR LED, max. IR distance: 30 m
- IP67 protection
- Built-in mic ("-A" model)



MOUNTING ACCESSORIES

Optional:

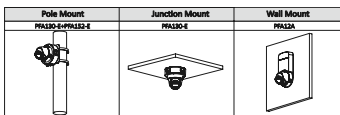


Fixed-focal



5MP: HAC-HDW1500TL(-A) HDCVI IR Eyeball Camera

- 2.8mm/3.6mm lens optional
- CVI/CVBS/AHD/TVI switchable
- Built-in IR LED, max. IR distance: 30 m
- IP67 protection
- Built-in mic ("-A" model)



MOUNTING ACCESSORIES

Optional:

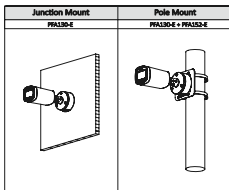


Vari-focal



5MP: HAC-HFW1500R-Z-IRE6-A HDCVI IR Bullet Camera

- Built-in mic
- HD and SD output switchable
- 2.7mm-12mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

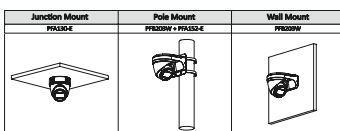


Vari-focal



5MP: HAC-HDW1500T-Z-A HDCVI IR Eyeball Camera

- Built-in mic
- HD and SD output switchable
- 2.7mm-12mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

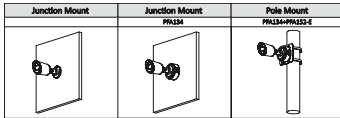


Fixed-focal



8MP: HAC-HFW1800T(-A) HDCVI IR Bullet Camera

- CVI/CVBS/AHD/TVI switchable
- 2.8mm/3.6mm lens optional
- Built-in IR LED, max. IR distance: 30 m
- IP67 protection
- Built-in mic (“-A” model)



MOUNTING ACCESSORIES

Optional:

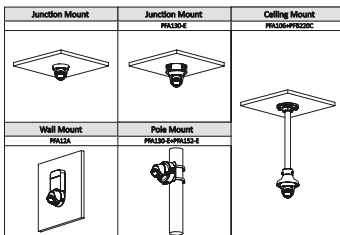
PFA134 Water-proof Junction Box	PFB134+PFA152-E Water-proof Junction Box+Pole Mount Bracket	PFM800-4K Passive Video Balun	
PFM800B-4K Passive Video Balun	PFM320D Series DC12V 2A Power Adapter	PFM321D Series DC12V 1A Power Adapter	PFM320D-015 DC12V 1.5A Power Adapter

Fixed-focal



8MP: HAC-HDW1800TL(-A) HDCVI IR Eyeball Camera

- 2.8mm/3.6mm lens optional
- CVI/CVBS/AHD/TVI switchable
- Built-in IR LED, max. IR distance: 30 m
- IP67 protection
- Built-in mic (“-A” model)



MOUNTING ACCESSORIES

Optional:

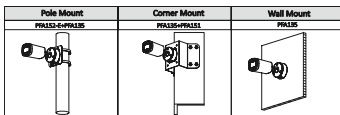
PFA130-E Water-proof Junction Box	DH-PFA12A Plastic Junction Box	PFA130-E+PFA152-E Water-proof Junction Box+Pole Mount Bracket	
PFA106+PFB220C Adapter Plate+Ceiling Mount Bracket	PFM800-4K Passive Video Balun	PFM800B-4K Passive Video Balun	PFM320D-015 DC12V 1.5A Power Adapter

Vari-focal



8MP: HAC-HFW1801R-Z-IRE6-A HDCVI IR Bullet Camera

- 120dB true WDR, 3D NR
- Built-in mic
- CVI/CVBS/AHD/TVI switchable
- 2.7mm-13.5mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

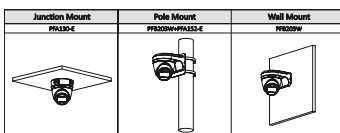
PFA135 Wall box (For use alone or with PFA152-E pole mount)	PFA152-E Pole Mount (For use with PFA135 Junction Box)	PFA151 Corner mount (For use with PFA135 Junction Box)	
PFM800-4K Passive Video Balun	PFM800B-4K Passive Video Balun	PFM320D-015 Power Adapter	PFM300 DC12V 2A Power Adapter

Vari-focal



8MP: HAC-HDW1801T-Z-A HDCVI IR Eyeball Camera

- 120dB True WDR, 3DNR
- Built-in mic
- CVI/CVBS/AHD/TVI switchable
- 2.7mm-13.5mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection



MOUNTING ACCESSORIES

Optional:

PFA130-E Junction box (For use alone)	PFB203W Wall mount (For use alone or with PFA152 pole mount)	PFA152-E Pole Mount (For use with PFB203W wall mount)	
PFM800-4K Passive Video Balun	PFM800B-4K Passive Video Balun	PFM320D-015 Power Adapter	PFM300 DC12V 2A Power Adapter

Full-color



5MP: HAC-HFW1509TLM-A-LED Full-color Starlight HDCVI Bullet Camera

- Full-color Starlight
- Audio in interface, built-in mic
- CVI/CVBS/AHD/TVI switchable
- 3.6mm lens
- IP67 protection
- 40 m LED distance

Wall Mount	Wall Mount	Pole Mount
	PFA134	PFA134+PFA152-E

MOUNTING ACCESSORIES

Optional:

Full-color



5MP: HAC-HDW1509T-A-LED Full-color Starlight HDCVI Eyeball Camera

- Full-color Starlight
- Audio in interface, built-in mic
- CVI/CVBS/AHD/TVI switchable
- 3.6mm lens
- IP67 protection
- 40 m LED distance

Ceiling Mount	Junction Mount	Wall Mount
	PFA130-E	PFB204W
Ceiling Mount	Pole Mount	Horizontal Pole Mount
PFA106+PFB220C	PFA152-E+PFB204W	PFA152-E+PFA130-E

MOUNTING ACCESSORIES

Optional:

Active Deterrence



5MP: HAC-ME1500D Active Deterrence HDCVI Bullet Camera

- Built-in PIR, 10m/110° detecting range/angle
- Active deterrence with white light & siren
- HD and SD output switchable
- 2.8mm/3.6mm lens options
- Built-in IR LED, max. IR distance: 20 m
- IP67 protection

Junction Mount	Pole Mount
PFA134	PFA134 + PFA152-E

MOUNTING ACCESSORIES

Optional:

Active Deterrence



5MP: HAC-ME1500E-LED Active Deterrence HDCVI Eyeball Camera

- Built-in PIR, 10m/110° detecting range/angle
- HD and SD output switchable
- 2.8mm/3.6mm lens options
- Built-in IR LED, max. IR distance: 20 m
- IP67 protection

Junction Mount	Pole Mount	Wall Mount
PFA130-E	PFB203W + PFA152-E	PFB203W
Wall Mount with Rain Shade	Pole Mount with Rain Shade	
PFB203W+PFA152-E	PFA106 + PFB220C	

MOUNTING ACCESSORIES

Optional:

POC
Fixed-focal



5MP: HAC-HFW1500T-A-POC
HDCVI POC IR Bullet Camera

- Built-in mic
- HD and SD output switchable
- 3.6mm lens
- Built-in IR LED, max. IR distance: 30 m
- IP67 protection
- POC

Junction Mount	Pole Mount
PFA130-E	PFA130-E / PFA152-E

MOUNTING ACCESSORIES

Optional:

PFA130-E Junction Box	PFA152-E Pole Mount	
PFM321 DC12V 1A Power Adapter	PFM320D-015 Power Adapter	PFM300 Power Adapter

POC
Fixed-focal



5MP: HAC-HDW1500EM-A-POC
HDCVI POC IR Eyeball Camera

- Built-in mic
- HD and SD output switchable
- 2.8mm/3.6mm lens options
- Built-in IR LED, max. IR distance: 50 m
- IP67 protection
- POC

Junction Mount	Pole Mount	Wall Mount
PFA130-E	PFB204W / PFA152-E	PFB204W

MOUNTING ACCESSORIES

Optional:

PFA130-E Junction Box	PFB204W Wall Mount	PFA152-E Pole Mount
PFM321 DC12V 1A Power Adapter	PFM320D-015 Power Adapter	PFM300 Power Adapter

POC
Varif-focal



5MP: HAC-HFW1500R-Z-IRE6-POC
HDCVI POC IR Bullet Camera

- HD and SD output switchable
- 2.7mm-12mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection
- POC

Junction Mount	Pole Mount
PFA130-E	PFA130-E / PFA152-E

MOUNTING ACCESSORIES

Optional:

PFA130-E Junction Box	PFA152-E Pole Mount
PFM320D-015 Power Adapter	PFM300 Power Adapter

POC
Varif-focal



5MP: HAC-HDW1500T-Z-A-POC
HDCVI POC IR Eyeball Camera

- Built-in mic
- HD and SD output switchable
- 2.7mm-12mm motorized vari-focal lens
- Built-in IR LED, max. IR distance: 60 m
- IP67 protection
- POC

Junction Mount	Pole Mount	Wall Mount
PFA130-E	PFB203W / PFA152-E	PFB203W

MOUNTING ACCESSORIES

Optional:

PFA130-E Junction Box	PFB203W Wall Mount	PFA152-E Pole Mount
PFM321 DC12V 1A Power Adapter	PFM320D-015 Power Adapter	PFM300 Power Adapter



2MP: SD59225I-HC-S3 Starlight IR PTZ HDCVI Camera

- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- IR distance up to 150m
- IP66 protection
- Power Supply: AC24V

Ceiling Mount PFA140 + PFB300C	Junction Mount PFA150 + PFA151	Power Box Mount PFA140 + PFB300C
Pole Mount PFA150 + PFA151	Corner Mount PFA151 + PFA151	Parapet Mount PFA150 + PFA151

MOUNTING ACCESSORIES

Included:



PFB300S
Wall Mount



PFA110
Mount Adapter



AC24V/3A
Power Adapter

Optional:



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount



2MP: SD49225I-HC-S3 Starlight IR PTZ HDCVI Camera

- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- IR distance up to 100m
- IP66 protection
- Power Supply: DC12V

Ceiling Mount PFA111 + PFB300C	Junction Mount PFA150 + PFA151	Power Box Mount PFA140 + PFB300C
Pole Mount PFA150 + PFA151	Corner Mount PFA151 + PFA151	Parapet Mount PFA150 + PFA151

MOUNTING ACCESSORIES

Included:



PFB305W
Wall Mount

Optional:



PFA111
Mount Adapter



DC12V/3A
Power Adapter



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount

HDCVI Recorder



4-channel: XVR7104HE-4K-I2
8-channel: XVR7108HE-4K-I2

4/8 Channel Penta-brid 4K Mini 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 8/16 channels of IPC access, each channel up to 8MP input
- Max 32/64Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition



XVR7216A-4K-I2

16-Channel Penta-brid 4K 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 32 channels of IPC access, each channel up to 8MP input
- Max 128Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition



XVR7416L-4K-I2

16-Channel Penta-brid 4K 1.5U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 32 channels of IPC access, each channel up to 8MP input
- Max 128Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition



4 channel: XVR5104HS-4KL-I2
8 channel: XVR5108HS-4KL-I2

4/8 Channel Penta-brid 4K Compact 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 8/16 channels of IPC access, each channel up to 8MP input
- Max 32/64Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition



4K Lite
/5M



16-channel: XVR5216AN-4KL-I2
32-channel: XVR5232AN-4KL-I2

16/32 Channel Penta-brid 4K 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 32/64 channels of IPC access, each channel up to 8MP input
- Max 96/128Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition

4K Lite
/5M



16-channel: XVR5416L-4KL-I2
32-channel: XVR5432L-4KL-I2

16/32 Channel Penta-brid 4K 1.5U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 32/64 channels of IPC access, each channel up to 8MP input
- Max 96/128Mbps Incoming Bandwidth
- IoT & POS functionalities
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face recognition

5M Lite
/1080P



4-channel: XVR5104HS-I2
8-channel: XVR5108HS-I2

4/8 Channel Penta-brid 1080P Compact 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6/12 channels IP camera inputs, each channel up to 6MP
- Max 24/48Mbps incoming bandwidth
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face detection
- IoT & POS functionalities

5M Lite
/1080P



16-channel: XVR5216AN-I2
32-channel: XVR5232AN-I2

16/32 Channel Penta-brid 1080P 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24/32 channels IP camera inputs, each channel up to 6MP
- Max 96/128Mbps incoming bandwidth
- Perimeter Protection and SMD Plus
- Up to 2 channels (analog channel) for video stream human face detection
- IoT & POS functionalities



4-channel: XVR5104H-X-4P
8-channel: XVR5108H-X-8P

4/8 Channel Penta-brid 1080P Mini 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6/12 channels IP camera inputs, each channel up to 6MP;
- Supports SMD, human face detection, IVS
- All-channel support HDCVI PoC AT & AF camera



XVR5216AN-X-16P

16-Channel Penta-brid 1080P 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs Max 24 channels IP camera inputs, each channel up to 6MP
- Max 96Mbps Incoming Bandwidth
- Supports SMD, human face detection, IVS
- All-channel support HDCVI PoC AT & AF camera



XVR5108H-4KL-X-8P

8-Channel Penta-brid 4K Mini 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs Max 12 channels IP camera inputs, each channel up to 8MP
- Max 48Mbps incoming bandwidth
- Smart Search and Intelligent Video System
- Total 48W output power consumption; Supports max 8 channels Lite series PoC cameras inputs or 4 channels Pro series PoC cameras inputs
- Note: HDCVI PoC system temporarily does not support balun access and UTP transmission



XVR5216AN-4KL-X-16P

16-Channel Penta-brid 4K 1U Digital Video Recorder

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs Max 24 channels IP camera inputs, each channel up to 8MP;
- Max 96Mbps incoming bandwidth
- Smart Search and Intelligent Video System
- Total 96W output power consumption; Supports max 16 channels Lite series PoC cameras inputs or 8 channels Pro series PoC cameras inputs.
- Note: HDCVI PoC system temporarily does not support balun access and UTP transmission



Transmission Switch

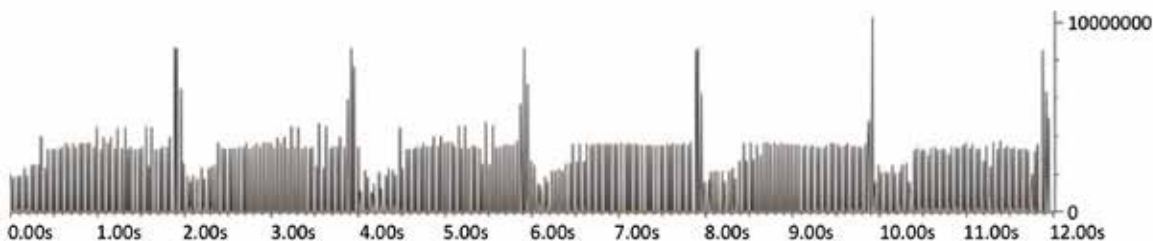
WHY DAHUA SWITCH ?

- **High reliable components (power, switch chip, PSE chip)**

Top chip and power from world-leading video surveillance solution provider to ensure the quality and reliability.

- **Non-blocking video transmission**

Video stream characteristic is different from the ordinary stream. Sudden increase of video stream brings high pressure to the data forwarding of switch. The flow control function of Dahua switch is enabled by default and large hardware buffer can best ease the sudden data peak and smooth the video stream.



- **Industrial-grade design**

Dahua switch is designed to work under extreme environments, such as wide temperature range and lightning environment. Dahua switch can reach lightning protection level 3. Accelerated Life Testing (ALT) is performed to ensure the high reliability and long life time.

- **Video pressure test**

It is an important feature of how a switch can handle the big amount of video streams in video surveillance. Rich experience in video surveillance has enabled Dahua to design and manufacture the best switches for video surveillance. At the same time Dahua switch has passed the high video pressure test in minimal 200 IP cameras test environment which demonstrates high product reliability.

- **Security**

Dahua switch is capable of realizing control upon access device and avoiding network intrusion via 802.1X, MAC Binding and MAC filter.

Moreover, Dahua switch is equipped with power management mechanism, which guarantees the power supply of high-priority port and also protect the switch not to be damaged.

Switch

Access Switch



PFS3024-24GT 24-Port Gigabit Switch (Unmanaged)

- Layer 2 unmanaged access switch
- All gigabit Ethernet ports
- Lightning protection
- Plug and play
- Adopts metal enclosure
- Good heat dissipation

ePoE Switch



LR2218-16ET-240 16-Port PoE Switch with 8-Port ePoE

- Supports long distance PoE transmission up to 800m with ePoE technology
- Layer-two web managed ePoE switch
- Port 1-8 support three self-adaptive transmission modes which are IEEE, E100 and E10
- Port 1-8 support both twisted-pair transmission and coaxial cable transmission
- Support web management: port management, 802.1Q VLAN, STP/RSTP, LACP, 802.1X, QoS
- Support PoE management, Green PoE, Legacy Support
- Conform IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3X standards



LR2110-8ET-120 8-Port ePoE Switch

- Supports long distance PoE transmission up to 800m with ePoE technology
- Layer-two ePoE switch
- MAC auto study and aging, MAC address list capacity is 8K
- Conform IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3X standards
- Supports IEEE802.3af, IEEE802.3at, Hi-PoE standard
- Industrial wide temperature design
- Port indicator light is to display the status of current transmission mode for the port, which includes IEEE, E100 and E10



PoE Switch

All-giga



PFS4226-24GT-240 PFS4226-24GT-360 24-Port PoE Gigabit Managed Switch

- Layer 2 network management PoE switch
- Support IEEE802.3af, IEEE802.3at standard
- Support Hi-PoE 60W
- Network Redundancy: STP/RSTP/MSTP
- Support IPv4/IPv6, and DHCP
- Network management based on SNMP
- Configuration: Web, Telnet, CLI Command
- QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- Large data cache(4M), real-time transmission
- MAC auto study and aging, MAC address list capacity is 8K
- EMC high protection design

All-giga



PFS4218-16GT-190 PFS4218-16GT-240 16-Port PoE Gigabit Managed Switch

- Layer 2 network management PoE switch
- Support IEEE802.3af, IEEE802.3at standard
- Support Hi-PoE 60W
- Network Redundancy: STP/RSTP/MSTP
- Support IPv4/IPv6, and DHCP
- Network management based on SNMP
- Configuration: Web, Telnet, CLI Command
- QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- Large data cache(4M), real-time transmission
- MAC auto study and aging, MAC address list capacity is 8K
- EMC high protection design

All-giga



PFS4212-8GT-96 12-Port Managed Desktop Gigabit Switch with 8-Port PoE

- Layer 2 network management PoE switch
- Network redundancy: STP/RSTP/MSTP
- Network management based on SNMP
- IEEE802.3af, IEEE802.3at standard and Hi-PoE 60W
- Large data buffer up to 4 MB, real-time transmission
- MAC auto study and aging, and MAC address list capacity is 8K
- Meet Class B Electromagnetic Compatibility Standard

Industrial



PFS4210-8GT-DP 10-Port Gigabit Industrial Switth with 8-Port Gigabit PoE (Managed)

- Layer 2 managed industrial PoE switch
- Supports IEEE802.3af/at and Hi-PoE (60W) standard
- Supports STP/RSTP/MSTP for network redundancy
- Supports rich L2 features including VLAN, Link Aggregation, IGMP Snooping, ROMN, ACL, QoS, etc
- Supports Web, SNMP and CLI management
- IP40 full metal enclosure, fully-sealed and dustproof design
- Dual power input for power redundancy
- Wide working temperature: -40°~+75°C



PFS4226-24ET-360

24-Port PoE Switch

- Layer 2 management PoE switch
- PoE budget: 360W
- Support PoE, PoE+, Hi-PoE
- 'Orange port' support Hi-PoE, can be used with the PoE extender (PFT1300)
- 250 meters long distance PoE transmission
- PoE management, PoE Setting/Event Statistics/Green PoE
- Search and upgrade via ConfigTool
- Support Web management
- High lightning protection design
- Non-blocking video transmission



PFS4218-16ET-240

16-Port PoE Switch

- Layer 2 management PoE switch
- PoE budget: 240W
- Support PoE, PoE+, Hi-PoE
- 'Orange port' support Hi-PoE, can be used with the PoE extender (PFT1300)
- 250 meters long distance PoE transmission
- PoE management, PoE Setting/Event Statistics/Green PoE
- Search and upgrade via ConfigTool
- Support Web management
- High lightning protection design
- Non-blocking video transmission



PFS3010-8ET-96

8-Port PoE Switch (Unmanaged)

- Layer two commercial switch
- Supports PoE power management
- Supports wall-mount installation
- Supports anti-theft lock hole
- MAC auto learning and aging, MAC address capacity is 16K
- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards
- RJ45 port supports 10/100 Mbps self-adaptation
- Supports 250 meters long distance PoE transmission
- Conforms to IEEE802.3af and IEEE802.3at power supply standard. Port 1 supports Hi-PoE 60W power supply



PFS3006-4ET-60

4-Port PoE Switch (Unmanaged)

- Layer two commercial switch
- Supports PoE power management
- Supports wall-mount installation
- Supports anti-theft lock hole
- MAC auto learning and aging, MAC address capacity is 2K
- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards
- RJ45 port supports 10/100 Mbps self-adaptation
- Supports 250 meters long distance PoE transmission
- Conforms to IEEE802.3af and IEEE802.3at power supply standard. Port 1 supports Hi-PoE 60W power supply

Wireless Transmission

Highlights

- Integrated Professional Surge Protection
- Multi-Language
- Free Management Platform-DWMS
- Point-to-point, point-to-multi-point, back-to-back applications
- Easy installation and configuration

Transmission



DH-PFWB5-90ac 5GHz AC867 18dBi Outdoor Base Station

- Integrated 5 GHz (2x2) MIMO radio
- Frequency 5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
- High performance and stability
- IP-66 standards rated enclosure
- Improved noise immunity
- TDMA ensures reliable communication
- Powerful OS, Dual firmwaare
- Built-in tools including Site Survey, Link Test, Antenna Alignment, Spectrum Analyzer, Ping & Trace help in configuration and debugging
- Recommended for 0~5km PTP/PTMP wireless connection(as a station in PTMP link)



DH-PFWB5-30ac 5GHz AC867 15dBi Outdoor Wireless CPE

- Integrated 5 GHz (2x2) MIMO radio
- Frequency 5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
- High performance and stability
- IP-66 standards rated enclosure
- Improved noise immunity
- TDMA ensures reliable communication
- Powerful OS, Dual firmware
- Built-in tools including Site Survey, Link Test, Antenna Alignment, Spectrum Analyzer, Ping & Trace help in configuration and debugging
- Recommended for 0~3km PTP/PTMP wireless connection(as a station in PTMP link)



DH-PFWB5-90n 5GHz N300 Outdoor Wireless Base Station

- Integrated 5 GHz (2x2) MIMO radio
- Frequency 5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
- High performance and stability
- IP-66 standards rated enclosure
- Improved noise immunity
- TDMA ensures reliable communication
- Powerful OS, Dual firmware
- Built-in tools including Site Survey, Link Test, Antenna Alignment, Spectrum Analyzer, Ping & Trace help in configuration and debugging
- Recommended as Base Station for 0~5km PTMP wireless connection



DH-PFWB5-30n 5GHz N300 15dBi Outdoor Wireless CPE

- Integrated 5 GHz (2x2) MIMO radio
- Frequency 5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
- Miniaturized design
- High performance and stability
- IP-65 standards rated enclosure
- Improved noise immunity
- TDMA ensures reliable communication
- Powerful OS, Dual firmware
- Built-in tools including Site Survey, Link Test, Antenna Alignment, Spectrum Analyzer, Ping & Trace help in configuration and debugging
- Recommended for 0~3km PTP/PTMP wireless connection (as a station in PTMP link)

Display & Control Monitor

Highlights

- HDMI + VGA + Audio + Speaker + Pedestal
- Light and cost-effective plastic housing
- Fast response time with no image blurring or ghosting
- Suitable for **24/7** operation
- **178°/178°(170°/160°)**wide viewing angle
- Good compatibility with DVRs and NVRs

Display & Control



DHL43-F600
DHL32-F600
43/32" FHD Monitor

- Industrial level LCD panel, suitable for continuous 24/7 operation
- Physical resolution of 1920x1080
- High fidelity digital processing for a brilliant and vivid video
- 5ms fast response time for no motion blur, judder or ghosting
- Built-in speakers



DHL22-F600-S
21.5" FHD Monitor

- Industrial level LCD panel, suitable for continuous 24/7 operation
- Physical resolution of 1920x1080
- High fidelity digital processing for a brilliant and vivid video
- Built-in speakers
- Good compatibility with DVRs and NVRs
- Low energy consumption, long service life



DHL22-L200
21.5" FHD Monitor

- Industrial level LCD panel, suitable for continuous 24/7 operation
- Light and cost-effective plastic housing
- Physical resolution of 1920x1080
- High fidelity digital processing for a brilliant and vivid video
- 5ms fast response time with no image blurring or ghosting
- Good compatibility with DVRs and NVRs

Keyboard

Highlights

- Precise playback control
- PTZ camera control modes: iris/zoom/focus, preset/scan/pan/tour/pattern
- Compatible with SmartPSS and DSS

Keyboard



NKB5000 HD Network Control Keyboard

Keyboard to Control

- Standalone DVR
- (Network) High Speed Dome
- High Speed Dome
- Central Management Platform
- Network Video Server
- RS232, RS485 & Network Connections(Wi-Fi)
- Four Dimensional Joystick Control of PTZ Functions
- Support 4K decoding live view
- Support 4CH HDMI output
- Support snapshot and recording to U-disk
- Support Video-Wall display control
- Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern Control
- NKB5000-F model includes an extension keypad module



NKB1000 Network Keyboard & Control Keyboard & Dome keyboard

Keyboard to Control

- High Speed Dome
- Standalone DVR
- Network High Speed Dome
- Network Video Server

Connection

- NKB1000: RS485, RS422, USB, RS232 & Network

Functions

- Three Dimensional Joystick Control of PTZ Functions
- Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern

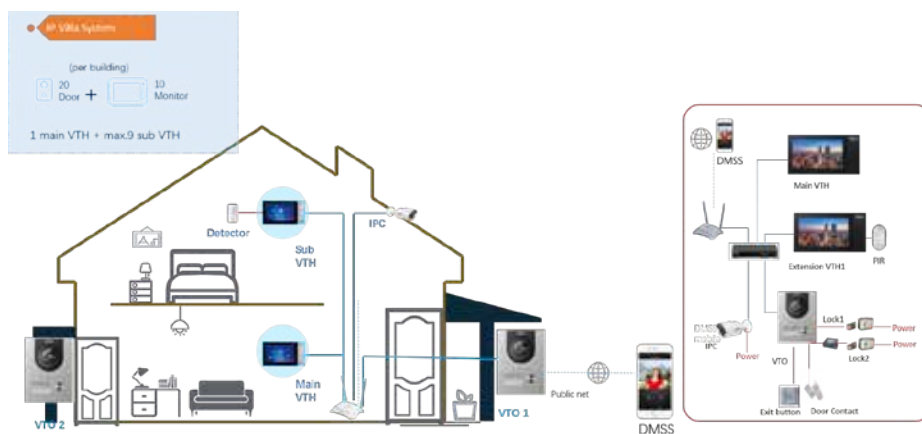
Auxiliary Functions

- On-Screen Menu & User Operation Procedure Tips
- Connect to SmartPSS via USB (NKB1000 only)

Video Intercom

Overview

Dahua IP villa/house solution offers a complete set of advanced features, such as remote intercom, door control, real-time video surveillance, and mobile push notifications. No matter where you are, no visitors or messages will be missed.



- Fisheye (160° wide angle of view)
- WDR (120 dB)
- Remote Unlock
- IPC Surveillance
- IP65,IK07

Highlights

• Fisheye

Features a fisheye camera with 160° angle of view and 2MP Lens in Outdoor station for a wider and clearer view.



Super Wide View Angle
160°horizontal field of view that can cover a door easily

• WDR

The camera can still provide clear colorful video even under low light environment. The min. illumination can achieve up to 0.005Lux@F1.6.

• Remote Unlock

Digital Mobile Surveillance System (DMSS)
Allows remote access to your door via smartphone

DMSS supports two-way talk with VTO, remote door access, local alarm push notification, snapshot and record.



• **IPC Surveillance**

Compatible with ONVIF cameras and supports up to 64 IPC live view

• **IP65, IK07**

It allows easy Installation with flush and surface mount brackets and works normally under different environments and scenarios with high protection degree of IP65 and impact strength of IK07.



Video Intercom

Outdoor Station



VTO3211D-P-S1/P2-S1/P4-S1

IP 1/2/4-button Villa/House Outdoor Station

- 2MP HD CMOS camera
- Zinc Alloy panel, IK08, IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. Refer to the quick start guide for more details.)
- ICR Night vision & Voice indication
- Video & Audio messaging
- Remote intercom with mobile APP
- Surface mounted

Outdoor Station



VTO2202F-P

IP Villa/House Door Station

- 2MP CMOS camera
- Mechanical button
- Night vision & voice indicator
- PoE
- 160° angle of view
- Compatible with VTH5222CH-S1 and VTNS1006A-2

MOUNTING ACCESSORIES

Optional:



VTM115



VTM114 (Front)



VTM114 (Back)

- Group call
- Power supply by 2-wire
- Aluminium alloy plate
- IP65&IK07
- Surface mounted and flush mounted

Indoor Monitor



VTH5221D/DW-S2

Wi-Fi Indoor Monitor

- 7" TFT Capacitive touch screen, 1024x600
- IPC surveillance
- 6ch wired alarm integration, 6ch wireless alarm integration(433MHZ)
- Micro SD card optional, max 32GB
- Record & Snapshot (SD card needed)

Indoor Monitor



VTH2421FB(W)-P

Digital VTH (4.3SIP)

- 7" TFT Capacitive touch screen, 1024 x 600
- IPC surveillance
- Alarm integration
- High performance & Cost-effective
- Supports 8GB SD card
- Supports standard PoE



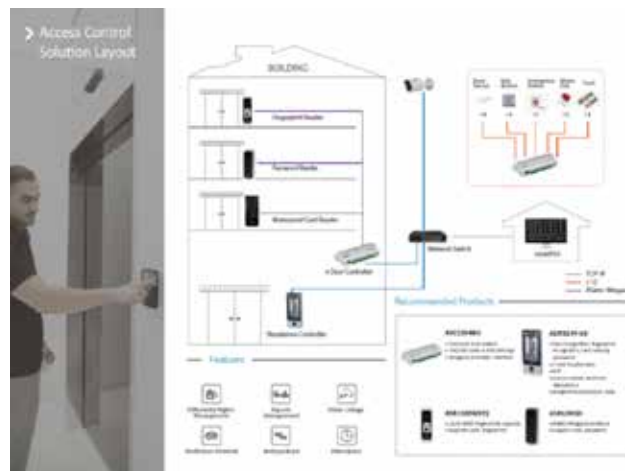
KTP01(F)/(S)
IP Villa/House Outdoor Station & Indoor Monitor
IP Villa/House Door Station

- 2MP CMOS camera
- Mechanical button
- Night vision & voice indicator
- 160° angle of view
- Group call
- Aluminium alloy plate
- IP55&IK07
- Surface mounted and flush
- Supports standard PoE
- IP Indoor Monitor
- IPC surveillance
- Alarm integration
- High performance
- Embedded 8GB SD card
- Supports standard PoE

Access Control

Overview

Dahua Access Control offers a wide range of products and various solutions designed to prevent unauthorized personnel from entering designated areas and to keep access records. Supporting management of up to 100,000 users, 128 time zone plans, logs, and storage, the Dahua Access Control products and solutions offer a wide selection for users including standalone, controllers, readers, and related software. Dahua supports standard device SDKs, CGI, and Onvif (profile C) to ease integration with 3rd party software.



- Face Recognition
- Anti-fake
- WDR
- P2P DMSS
- Large capacity

Highlights

• Face Recognition

With face recognition algorithm, the access controller can recognize more than 360 positions on human face. It also provides face verification accuracy of >99.5%, face comparison speed of 0.35s per person, and low false recognition rate.





• **Anti-fake**

Features dual camera design to achieve live detection that does not recognize fake photos.

• **Large capacity**

Holds 50,000 users, 50,000 face images, 10,000 fingerprints, 50,000 cards, 50,000 passwords, and 50 administrators

Access Control

Standalone



ASI7214Y-V3
Face Recognition Access Controller

- 7 inch IPS display, resolution 1024×600
- Supports face unlock, fingerprint unlock, IC card unlock, and password unlock; unlock by period
- Comes with face detection box; the largest face among faces that appear at the same time is recognized first; the maximum face size can be configured on the web
- 2MP wide-angle WDR lens; with auto/manual fill light
- Face-camera distance: 0.3 m–2.0 m; human height: 0.9 m–2.4 m
- With face recognition algorithm, the access controller can recognize more than 360 positions on human face
- Face verification accuracy >99.5%; face comparison speed 0.35s per person; low false recognition rate
- Supports profile recognition with profile angle of 0°–90°
- Holds 50,000 users, 50,000 faces, 10,000 fingerprints, 50,000 cards, 50,000 passwords, and 50 administrators
- Supports liveness detection
- Supports duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, and more
- Supports general users, patrol users, VIP users, guest users, and disabled users
- With 4 unlock status display modes

Standalone



ASI1201E
Water-proof RFID Standalone

- Support 30,000 valid cards & 60,000 records
- Support multiple cards (default IC card) (“-D” means ID EM card)
- Support card, password and combination
- TCP/IP to PC
- Wiegand or RS-485 interface to reader
- Door time out alarm, intrusion alarm, duress alarm and tamper alarm
- Anti-passback, multi-card open
- Water-proof design
- Support 128 efficient time and holiday schedules
- Watch dog function ensure device free from halting
- IP66 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.)

Access Controller



ASC1204B-S
Four Door Access Controller

- Supports 100,000 valid cards & 150,000 records
- Supports multiple cards
- Supports card, password, fingerprint and combination
- TCP/IP interface to PC
- Wiegand or RS-485 interface to readers (4 doors)
- Door time-out alarm, intrusion alarm, duress alarm and tamper alarm
- Anti-passback, multi-door interlock, multi-card opening
- Supports 128 efficient time and holiday schedules
- Watch dog function ensures the device is free from halting
- Surface mounted installation

Access
Controller



ASC1202B-D

Two Door two way Access Controller

- Supports 100,000 valid cards & 150,000 records
- Supports multiple cards
- Supports card, password, fingerprint and combination
- TCP/IP interface to PC
- Wiegand or RS-485 interface to readers (2 doors)
- Door time-out alarm, intrusion alarm, duress alarm and tamper alarm
- Anti-pass back, multi-door interlock, multi-card opening
- Supports 128 efficient time and holiday schedules
- Watch dog function ensures the device is free from halting
- Surface mounted installation

Reader



ASR1102A(V2)

Fingerprint RFID Reader

- RS-485 protocol
- Default IC (Mifare) card (“-D” means ID EM card)
- Supports card and fingerprint
- Up to 3000 fingerprints capacity
- Blue backlight
- Watch dog function ensures the device is free from halting
- Beep and indicator
- Surface mounted installation

Reader

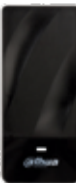


ASR1201D

Slim Water-proof RFID Reader

- Supports RS485, Wiegand34 protocol (Wiegand 26 options)
- 13.56MHz (Mifare)
- 125KHz (EM-ID)
- Red and Blue LEDs
- Watch dog function ensures the device is free from halting
- Water-proof (outdoor use)
- Surface/Flush mounted installation

Reader



ASR1200E

Water-proof RFID Reader

- Wiegand34 (26 options) bits RS-485 protocol
- 13.56MHz (Mifare)
- 125KHz (EM-ID)
- Water-proof design
- Red, blue and green indicator LEDs
- Surface mounted installation



Accessories

Accessories



PFM900-E Integrated Mount Tester

- 4.0" TFT screen, 800 × 480 resolution
- H.264/H.265 decoding display for IPC
- HDCVI/AHD/TVI/CVBS video display control
- Support SD and HD direct switch
- 12V/2A DC power supply for the camera
- Support RS-485 control, and audio test
- Length and attenuation tests of the network cable
- Functions of digital multimeter



PFM904 Integrated Mount Tester

- HDCVI/AHD/TVI/CVBS video display control
- 12V/1A DC power supply for the camera
- Support RS-485 control
- Support audio test
- Charge through USB connector
- Compact and portable, designed with a removable wrist strap
- Replaceable 18650 lithium ion battery



PFM920I-6UN-C UTP CAT6 Cable

- 305.0 m (1000 ft)/carton UTP CAT6, power over Ethernet, compatible with one cable
- High-purity Oxygen-Free Copper conductor material
- Customized PVC outer sheath; meet CE CPR Eca flame retardant class certified
- 10-year warranty



PFM920I-5EUN-C UTP CAT5e Cable

- 305.0 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable
- High-purity Oxygen-Free Copper conductor material
- Customized PVC outer sheath; meet CE CPR Eca flame retardant class certified
- 10-year warranty



PFM930-59N 200m RG59 Coaxial Cable

- 200m RG59 coaxial cable
- Over 1km long transmission distance for 720P
- 99.99% OFC(oxygen free copper) excellent material
- Cable sheath flame retardant for 8 seconds



PFM930I-6N **200m RG6 Coaxial Cable**

- 200m RG6, wooden spool
- Professional quality cable for use with most CCTV camera systems
- Over 1km long transmission distance for 720P
- Supplied on wooden reels for easy storage and installation
- Environmentally-friendly outer sheath, meet the CPR E class



PFM791 **HD Video Isolator**

- >HD video isolator, to solve the HDCVI image interference caused by ground loops effectively;
- >Apply to indoor or in junction box
- >Working Temperature: -20~55°C



PFM800-4K **1-CH Passive Video Balun**

- Real-time transmission over UTP CAT5E/6 cable;
- Passive, no need for power supply;
- Excellent anti-thunder, anti-static and anti-interference capabilities;
- Compatible format: HDCVI/TVI/AHD/CVBS;
- With female BNC connector, and pluggable screw terminal connections.



PFM820 **UTC Controller**

- Support different formats(HDCVI/AHD/HDTVI/CVBS) switch, which is to satisfy the requirements of different storage device environments for clients.
- Various format indicator lights, which makes it convenient for users to check the current format status and prompt if the format switch is successful.
- Support OSD control and the electric zoom function control in CVBS mode.



PFT1200 **Hi-PoE Midspan**

- Support PoE for Hi-PoE 60W high power consumption speed dome
- Indicator status: power (normal power on), PoE (normal power supply)
- Cooperate with PoE Extender (PFT1300), able to cascade level 2 PoE Extender, connect to 3 IPC (power consumption <=8W), max transmission distance 300m
- Installation mode: wall mount



PFT1300 **PoE Extender**

- Support passive PoE cascade power supply and Ethernet data exchange
- Support IEEE 802.3af/at standard power supply IP Camera
- Cooperate with High PoE Midspan (PFT1200), able to cascade level 2 PoE Extender, connect to 3 IPC (power consumption <=8W), max transmission distance 300m
- 1*RJ45 10/100M PoE power supply input; 1*RJ45 10/100M supply power for IP Cam; 1*RJ45 10/100M supply power for the next extender
- Installation mode: junction box internal mounting, DIN rail mounting



HAP100

Pinhole Pickup

- Omni-directional condenser microphone, high fidelity;
- 30KV Air contact ESD, built-in Lightning Protection, power supply polarity reversal protection and electrostatic protection;
- Pinhole design, hidden installation; match with cameras or storage devices which have audio function!



HAP201

Hi-fidelity Pickup

- CPU built-in audio sampling module, low interference from the hardware
- Smart audio crack protection, auto low microphone sensitivity to meet
- Adopts wide dynamic range processing technology for the valid audio
- High-sensitivity microphone, omni-directional pickup, clear audio, high
- Noise reduction via the algorithm to enhance signal definition.
- Auto gain and compensate the human voice frequency. Exaggerates the
- It can effectively reduce the indoor reverberation resulting from the
- It supports screaming control function and can greatly enhance the
- Built-in high-speed CPU, real-time processing audio signal, low latency.
- Built-in lightning protection, power two-polarity misconnection
- CE, FCC compliance.









HAP120

Hi-fidelity Pickup

- Use high sensitivity, all directional microphone head and omnidirectional microphone, clear and natural sound;
- Lightning protection, power polarity transposition protection and electrostatic protection.

Video Management Software

DSS Products

Model	DSS Express (Free) V1.00.003	DSS Express (Plus) V1.00.003	DSS Pro V7.02.002	DSS4004-S2-W V1.01.000	DSS4004-S2 V1.01.000	DSS7016D(R)-S2 V1.01.000
Appearance						
OS	Windows	Windows	Windows	Windows	Linux	Linux
Form	Software	Software	Software	ALL-IN-ONE	ALL-IN-ONE	ALL-IN-ONE
Hot standby	x	x	v	x	v	v
Distribute	x	x	v	x	x	v
Cascade As Superior Level	x	x	v	x	x	x
Cascade As Subordinate Level	x	v	v	v	v	v
Camera	64	512	1000 IP, 2000 CH	64	512	1000 IP, 2000 CH
Face Recognition	2	32	64	8	32	64
ANPR	2	32	64	8	32	64
Object Detection	x	x	64	x	x	64
Maximum Video Input Bandwidth Per Server	350Mbps	350Mbps	600Mbps	350Mbps	350Mbps	700Mbps
Maximum Storage Bandwidth Per Server	150Mbps	150Mbps	600Mbps	150Mbps	150Mbps	700Mbps
Onvif	v	v	v	v	v	v
Auto Register	x	x	v	x	x	v
P2P	v	v	x	v	x	x
Microsoft Active Directory	x	x	v	x	x	v
Disk Group	x	x	v	x	x	v
ISCSI	x	v	v	v	v	v
Records backup from device by time or wifi	x	x	v	x	x	v
GIS Map	x	x	v	x	x	v
Thumbnail search	x	x	v	x	x	v
Access Control, Video Intercom,	v	v	v	v	v	v
Attendance, Entrance	v	v	v	v	v	v
Perimeter Protection	v	v	v	v	v	v
Thermal Alarm	v	v	v	v	v	v
Face Recognition	v	v	v	v	v	v
Flow Analysis	v	v	v	v	v	v
ANPR	v	v	v	v	v	v
Object detection	x	x	v	x	x	v
Add-ons	x	x	v	x	x	x



Digital Mobile Surveillance System

Monitor Anything with Your Smartphone or Tablet Anytime, Anywhere



Devices	Supported Devices DVR, NVR, IPC, VTO, DoorBell, Alarm Hub Add Device Method IP/domain, SN, Import from cloud, Soft AP Features Remote config, Alarm config, HDD info, Share device list
Video	Compression Format H.265/H.264/MPEG-4/JPEG Display Resolution Up to 1920x1080
Live Preview	Max. Channels Can Be Opened at The Same Time 256 Features Snapshot, Record, instant playback, PTZ, Stream control, Talk, Audio, Alarm, Color, Favorites, Remember channels
Playback	Video Playback Duration 72 hours Features Snapshot, Record, Speed up / slow down, Frame-by-frame, Cut
Alarm Push	Alarm Type Motion detect, Camera masking, Local alarm, Disk alarm (no disk, low space, disk error), Face detection, Ivs alarm, Thermal Imaging Alarm, Defocus, Audio Detect, HDD Alarm, Sensor Alarm, Network Alarm Push Type Video, Preview, Image



NOTES

A series of horizontal dashed lines for taking notes.



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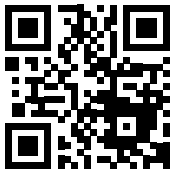
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Official Website



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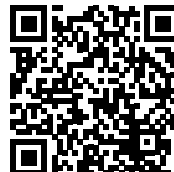
Tech: support.UK@dahuatech.com

Social Media



LinkedIn

Dahua UK & Ireland



YouTube

Dahua UK & Ireland



DISTRIBUTION PARTNERS IN 180 COUNTRIES

* Design and specifications are subject to change without notice.

Ver.1, Jan. 2020

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