



STUNNING BANDWIDTH AND STORAGE EFFICIENCY
H.265+ NETWORK PRODUCTS SELECTION

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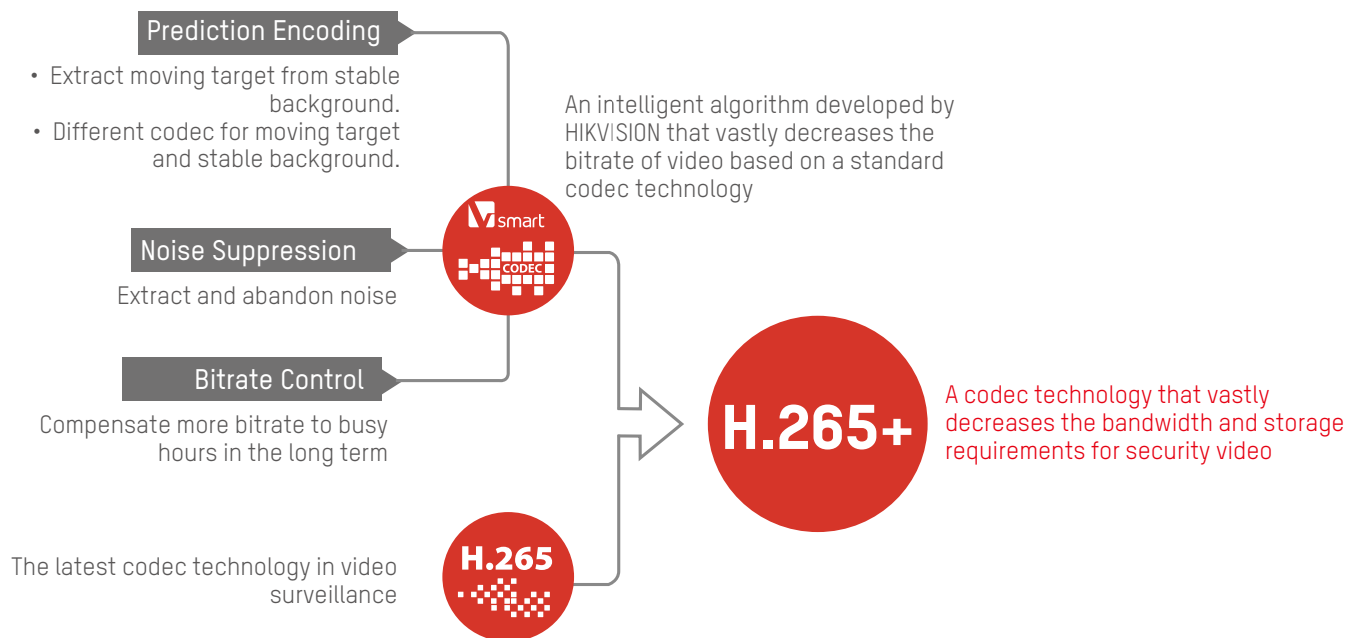
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H.265+ TECHNOLOGY

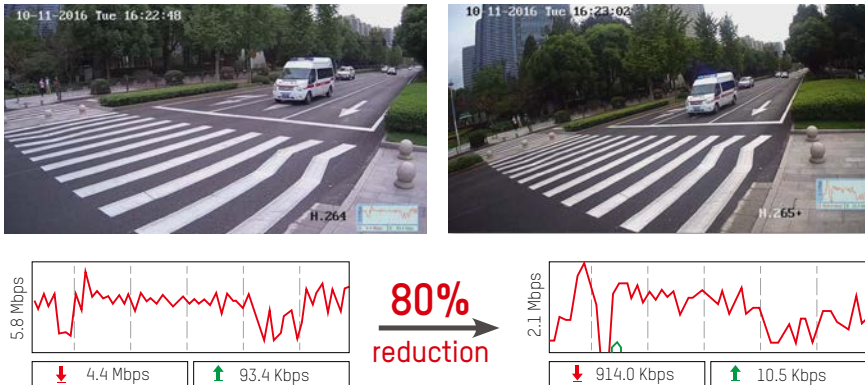
SMART CODEC ALGORITHM

An intelligent algorithm self-developed by HIKVISION, it can greatly decrease the bitrate of video based on a standard H.265 codec. With the help of Three core technology: Prediction Encoding, Noise Suppression and Bitrate Control. The smart codec that has outstanding bandwidth-light and storage-save performance.

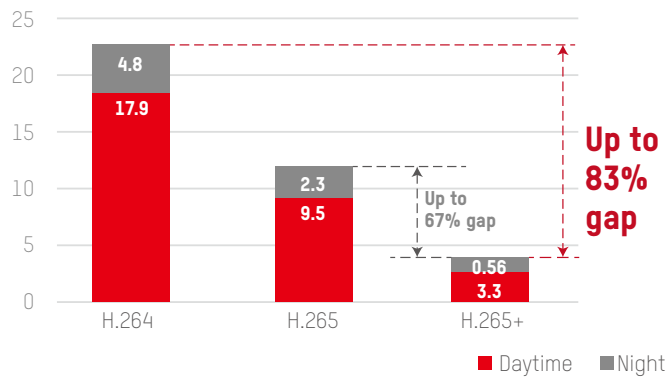


H.265+ VS H.265 VS H.264

Bitrate comparison between H.264 and H.265+



Extremely low requirements for bandwidth and storage



24-Hours recording file size(GB) between H.264, H.265 and H.265+
* The data is testing in a common scene, for reference only.

How many 2-megapixel cameras can be carried by a 20Mb broadband network ?

H.264		5-ch
H.265		10-ch
H.265+		20-ch+

How much storage capacity is needed for 8 pcs 2MP camera recording for a month?

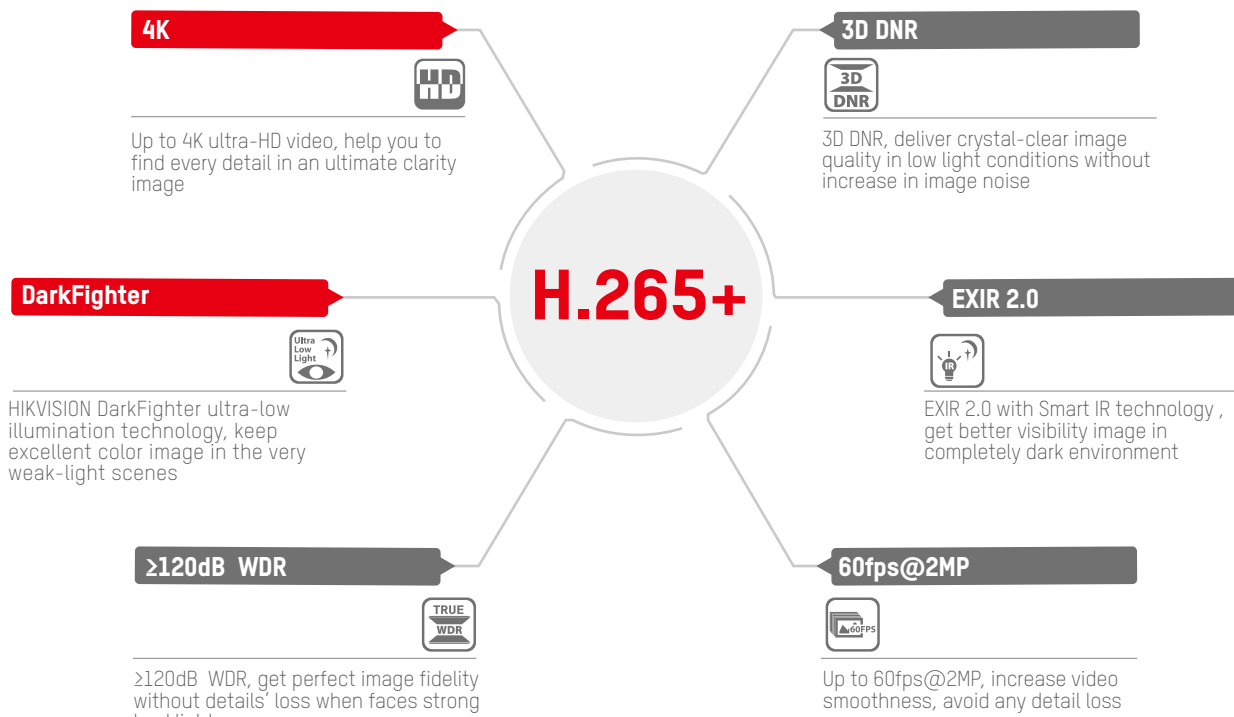
H.264		Approx. 10TB
H.265		Approx. 5TB
H.265+		Approx. 2TB

Extremely bandwidth-light and storage-save

H.265+ PRODUCT HIGHLIGHTS

EXCELLENT IMAGE QUALITY

H.265+ compression renders the best video surveillance imaging that the security industry currently offers. It demonstrates incredible improvements in bandwidth reduction, data storage efficiency, and video content analyses. Fluid video, rapid intelligence, and sharp images stand as the hallmark of the H.265+ codec. Read the chart below for more details on specific features of H.265+.



▶ 4K

Detail comparison among 2-, 3-, 5-, & 8-Megapixel sensors



▶ ≥120dB WDR

120dB WDR performance



▶ DarkFighter

Color imaging in a very dim setting

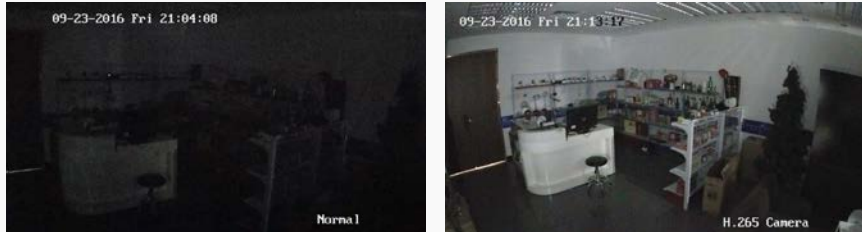


Photo captured by conventional security camera

Photo captured by a Hikvision camera equipped with H.265+ (DS-2025FWD-I)

▶ 3D DNR

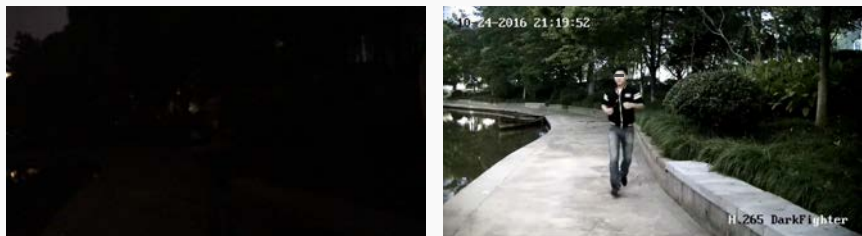
Optimized 3D DNR with higher performance sensor & lens



Photo captured by a camera featuring H.264

Photo captured by a Hikvision camera featuring H.265+

Turn night to day! Even human faces can be clearly identified



Video captured by iPhone7 Plus

Video captured by a Hikvision camera equipped with H.265+

▶ EXIR 2.0

EXIR 2.0 Performance

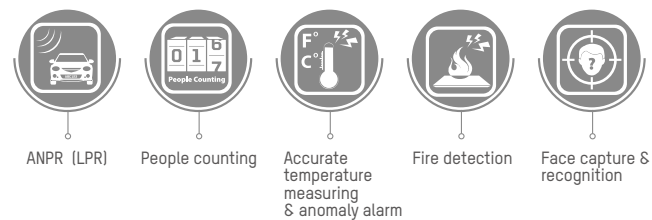
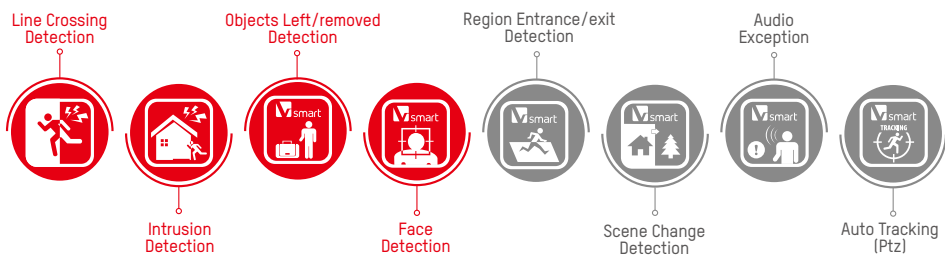


Photo captured by conventional IR security camera

Photo captured by camera featuring H.265+ with EXIR 2.0

EFFICIENT VCA FUNCTIONS

- New H.265+ products support various and accurate VCA (Video Content Analysis) functions, such as Intrusion, Line Crossing, Unattended Baggage, Object Removal, Face Detection, Region Entrance/Left, Scene Change, Audio Exception, Defocus Detection, Object Counting, Auto Tacking (PTZs).
- Intelligence can save human resources for monitoring and post-event playback.



SMART PLAYBACK

- Using "Smart Search" to find and play back critical video vastly improves footage review efficiency
- Playback options include normal speed for incident review and high speed for ---incident video



SMART SEARCH

- HIKVISION NVRs provide Smart search for video and recorded results of a camera's VCAs, such as various detections, alarm events, license plates, people counting, and more.



Alarm events



VCA detection



License plates

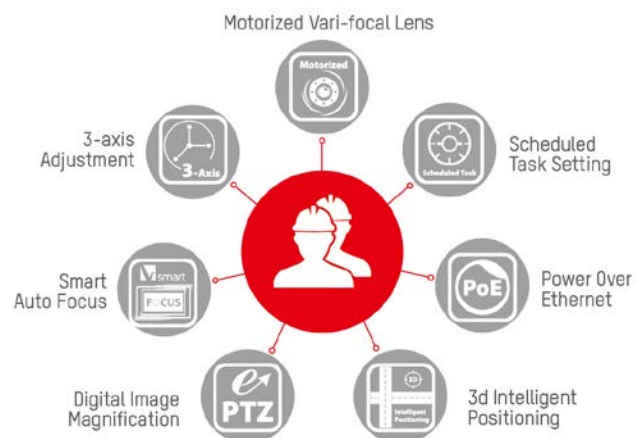


Passenger volume

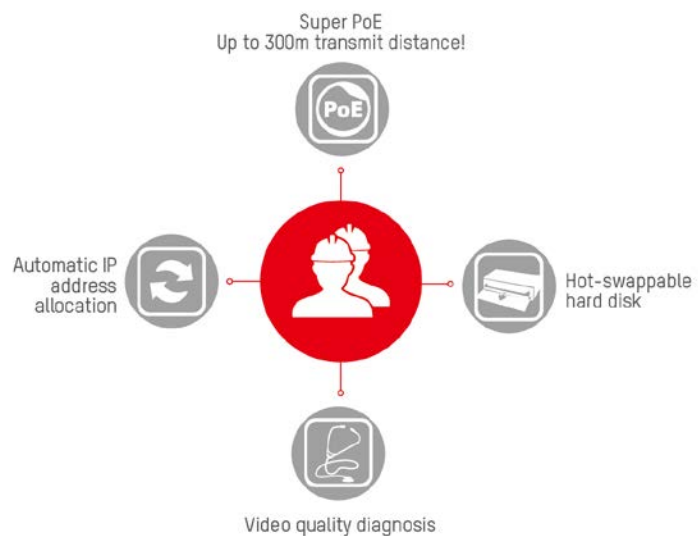
03 FRIENDLY USABILITY

The easy operation of video surveillance systems equipped with H.265+ compression technology stands as one of its most notable features. The simple usability of components with this advanced codec makes it even more desirable for any application.

Camera



NVRs



04 RELIABLE STRUCTURE

Reliability and stability are the hallmarks of great security products. With high-level protection ratings and field-tested and proven durability, Hikvision products stand out among competitors' again and again.



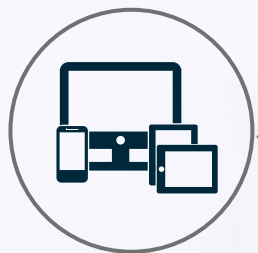
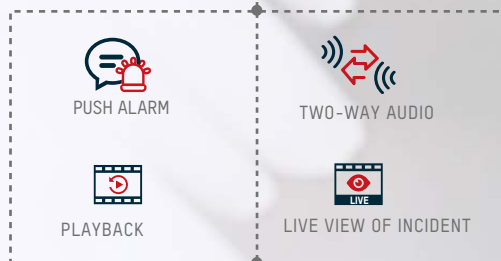
FREE CLOUD SERVICE

HIK-CONNECT

The Hik-Connect Cloud Service emerged quickly as the safest and most powerful means for networked operation of Hikvision systems. While it is not required for Hikvision products, users are finding it to be the best for cybersecurity, reliability, power, and convenience.



Hik-Connect Service

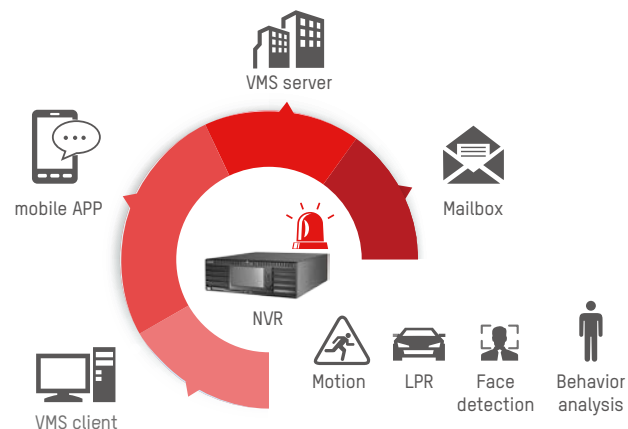


06 EASY AND STABLE MANAGEMENT FOR IPC AND DATA STORAGE

Hikvision NVR is compatible for smart function of Hikvision IPC, and able to provide users simple operation interface of preview, playback and backups. It is also self-adaptive to different types of encoding like H.265+/H.265/H.264+/H.264. This NVR supports 4K decode and give users the image with high-definition. The stable embedded linux system guarantees the recorded data is safe and effective. In addition, the advantage of network structure and adjustability of network condition is well improved.

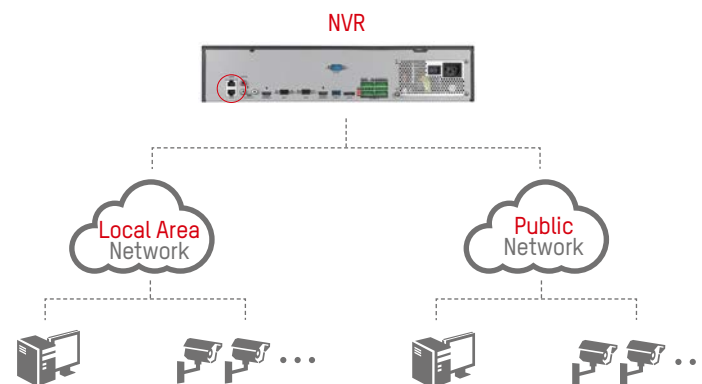
▶ ALARM PUSH

The NVR can push more than 20 types of alarms to VMS server, Mobile APP or mailbox and bring great convenience for different surveillance centers.



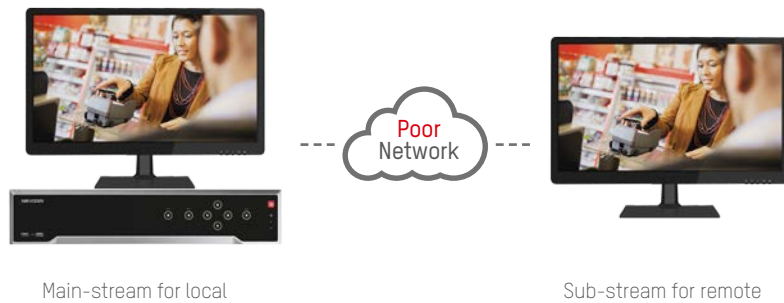
▶ DUAL NICS APPLICATION

Dual NICs provide two isolated network interfaces, which make it possible for customers to deploy LAN & WAN surveillance system according to their demands.



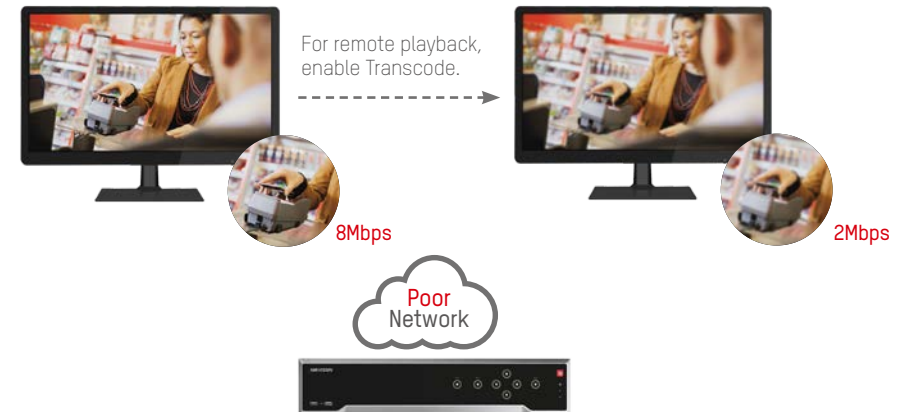
► DUAL-STREAM

The NVR can receive two types of stream: main-stream and sub-stream. The remote user can view sub-stream, and local user can still view main-stream while the network is poor.



► TRANSCODE PLAYBACK

The transcode function can reduce the resolution, bitrate or framerate to lighten the stream data.



► CHANNEL-ZERO

By using channel-zero function, users can view upmost 16 live images captured by cameras connecting with a NVR, but only take up one channel's network bandwidth.



► iVMS-4200

In a multi-site operation, the NVR can be installed for local IPC management and data storage. Real-time preview, playback and recordings back-up can be managed at a control center via Hikvision iVMS-4200 software remotely.



NETWORK CAMERA



IPC Pro Series






	DS-2CD4C26FWD	DS-2CD4C36FWD	DS-2CD4B26FWD
Model			
Image sensor	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2048 × 1536	1920 × 1080
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON)
WDR	120dB	120dB	120dB
Lens	---	---	---
FOV	---	---	Horizontal angle of view 90.1° - 31°
IR Range	---	---	10-30m
VCA	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection
"Frame Rate "	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams
Ingress Protection	---	---	IP67
Angle Adjustment	---	---	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Humidity	95% or less (---condensing)	95% or less (---condensing)	95% or less (---condensing)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Audio I/O	Build-in mic., build-in speaker	Build-in mic., build-in speaker	1/1(-S)
Alarm I/O	1/1(-S)	1/1(-S)	1/1(-S)
Power Supply	DC 12 V AC 24 V PoE (802.3af)	DC 12 V AC 24 V PoE (802.3af)	DC 12 V PoE (802.3at)

IPC Pro Series





Model	DS-2CD4B36FWD	DS-2CD4D26FWD	DS-2CD4D36FWD	DS-2XE6222F	DS-2XE6242F
					
Image sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max. Resolution	2048 × 1536	1920 × 1080	2048 × 1536	1920 × 1080	2560 × 1440
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0.007 Lux @ (F1.4, AGC ON)	Color: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON)	Color: 0.005 Lux @ (F1.2, AGC ON), 0.007 Lux @ (F1.4, AGC ON)	0.01Lux @(F1.2,AGC ON)	0.01Lux @(F1.2,AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	--	2.8 - 12 mm	2.8 - 12 mm	4/6/8/12/16mm optional	4/6/8/12/16mm optional
FOV	Horizontal angle of view 88.5° - 32.8°	Horizontal angle of view 90.1° - 31°	Horizontal angle of view 88.5° - 32.8°	4mm: 91°; 6mm: 60°; 8mm: 41.5°; 12mm: 26.6°; 16mm: 20.6°	4mm: 83°; 6mm: 55.4°; 8mm: 38.5°; 12mm: 24.7°; 16mm: 19.1°
IR Range	10-30m	10-30m	10-30m	30m	30m
VCA	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene Change Detection, Face Detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, face detection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, face detection
Frame Rate	Main stream: 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 24fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67	IP66	IP66	--	--
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°	--	--
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	95% or less (---condensing)	95% or less (---condensing)	95% or less (---condensing)	95% or less (---condensing)	95% or less (---condensing)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1/1(-S)	1/1(-S)	1/1(-S)	--	--
Alarm I/O	1/1(-S)	2/2(-S)	2/2(-S)	2/2(-S)	2/2(-S)
Power Supply	DC 12 V PoE (802.3af)	DC 12 V PoE (802.3af)	DC 12 V PoE (802.3af)	"AC 100 V to 240 V, 0.1A PoE (802.3af, class 3), 0.2A"	"AC 100 V to 240 V, 0.1A PoE (802.3af, class 3), 0.2A"

IPC EasyIP3.0 Series






EasyIP 3.0

	DS-2CD2025F(H)WD-I	DS-2CD2125F(H)WD-I(S)	DS-2CD2325F(H)WD-I
Model	 2MP	 2MP	 2MP
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB
Lens	2.8mm/4mm/6mm	2.8mm/4mm	2.8mm/4mm/6mm
FOV	108°/86.4°/52°	108°/86.4°	108°/86.4°/52°
IR Range	Up to 30 m	Up to 30 m	Up to 30 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams
Ingress Protection	IP67	IP67, IK10	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	---	1/1(-S)	---
Alarm I/O	---	1/1(-S)	---
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)


IPC EasyIP3.0 Series

Model	DS-2CD2425F(H)WD-I(W)	DS-2CD2525F(H)WD-I(S)	DS-2CD2T25F(H)WD-I5/I8	DS-2CD2035FWD-I	DS-2CD2135FWD-I(S)
	 2MP	 2MP	 2MP	 3MP	 3MP
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2048 × 1536	2048 × 1536
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8 mm	2.8mm/4mm/6mm/12mm	2.8mm/4mm/6mm/12mm/16mm	2.8mm/4mm/6mm	2.8mm/4mm
FOV	108°	108°/86.4°/52°/25°	108°/86.4°/52°/25°/20°	98°/78.7°/48°	98°/78.7°
IR Range	Up to 10 m	Up to 10 m	I5: Up to 50 m I8: up to 80 m	Up to 30 m	Up to 30 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream up to 50/60fps(H) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	---	IP67, IK10	IP67	IP67	IP67, IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°	Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Working Temperature	-10 °C to +40°C (14 °F to 104 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	Build-in mic., Build-in speaker	Build-in mic., 1 output (line out)	---	---	1/1(-S)
Alarm I/O	1/1	1/1	---	---	1/1(-S)
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)


IPC EasyIP3.0 Series

Model	DS-2CD2335FWD-I	DS-2CD2435FWD-I(W)	DS-2CD2535FWD-I(S)	DS-2CD2T35FWD-I5/I8	DS-2CD2055FWD-I
	 3MP	 3MP	 3MP	 3MP	 5MP
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS
Max. Resolution	2048 × 1536	2048 × 1536	2048 × 1536	2048 × 1536	2560 × 1920
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. IllumiN/Ation	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8mm/4mm/6mm	2.8 mm	2.8 mm	2.8mm/4mm/6mm/12mm/16mm	2.8mm/4mm/6mm
FOV	98°/78.7°/48°	98°	98°	98°/78.7°/48°/18°	81°/63.5°/50°
IR Range	Up to 30 m	Up to 10 m	Up to 10 m	I5: Up to 50 m I8: up to 80 m	Up to 30 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67	---	IP67, IK10	IP67	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°	Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-10 °C to +40°C (14 °F to 104 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	---	Build-in mic., Build-in speaker	Build-in mic., 1 output (line out)	---	---
Alarm I/O	---	1/1	1/1	---	---
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)



IPC EasyIP3.0 Series

Model	DS-2CD2155FWD-I(S)	DS-2CD2355FWD-I	DS-2CD2455FWD-I(W)	DS-2CD2555FWD-I(S)	DS-2CD2T55FWD-I5/I8
	 5MP	 5MP	 5MP	 5MP	 5MP
Image sensor	1/2.9" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS
Max. Resolution	2560 × 1920	2560 × 1920	2560 × 1920	2560 × 1920	2560 × 1920
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8mm/4mm	2.8mm/4mm/6mm/8mm	2.8 mm	2.8 mm	2.8mm/4mm/6mm/12mm/16mm
FOV	81°/63.5°	81°/63.5°/50°/33°	81°	81°	81°/63.5°/50° 12 mm 16 mm
IR Range	Up to 30 m	Up to 30 m	up to 10 m	up to 10 m	I5: Up to 50 m I8: up to 80 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67, IK10	IP67	---	IP67, IK10	IP67
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°	Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-10 °C to +40°C (14 °F to 104 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1/1(-S)	---	Built-in mic., Built-in speaker	Built-in mic., 1 output (line out)	---
Alarm I/O	1/1(-S)	---	1/1	1/1	---
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)

IPC EasyIP3.0 Series

Model	DS-2CD2085FWD-I	DS-2CD2185FWD-I(S)	DS-2CD2385FWD-I	DS-2CD2485FWD-I(W)	DS-2CD2T85FWD-I5/I8
	 8MP	 8MP	 8MP	 8MP	 8MP
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Max. Resolution	3840 × 2160	3840 × 2160	3840 × 2160	3840 × 2160	3840 × 2160
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8mm/4mm/6mm	2.8mm/4mm	2.8mm/4mm/6mm	2.8 mm	2.8mm/4mm/6mm/12mm/16mm
FOV	102°/78°/50°	102°/78°	102°/78°/50°	102°	81°/63.5°/50° 12 mm 16 mm
IR Range	Up to 30 m	Up to 30 m	Up to 30 m	Up to 10 m	I5: Up to 50 m I8: up to 80 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67	IP67, IK10	IP67	---	IP67
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°	Pan: 0° to 360°, tilt: 0° to 100°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-30 °C to +60 °C [-22 °F to +140 °F]	-10 °C to +40°C [14 °F to 104 °F]	-30 °C to +60 °C [-22 °F to +140 °F]
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	---	1/1(-S)	---	Built-in mic., Built-in speaker	---
Alarm I/O	---	1/1(-S)	---	1/1	---
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)



IPC EasyIP3.0 Series

Model	DS-2CD2H25FWD-IZ(S) 	DS-2CD2H35FWD-IZ(S) 	DS-2CD2625FWD-IZ(S) 	DS-2CD2635FWD-IZ(S) 	DS-2CD2725FWD-IZ(S) 
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080	2049 × 1536	1920 × 1080	2049 × 1536	1920 × 1080
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)	Color: 0.005 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm
FOV	---	---	110° to 33°	110° to 33°	110° to 33°
IR Range	Up to 30 m	Up to 30 m	Up to 50 m	Up to 50 m	Up to 30 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67	IP67	IP67, IK10	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Alarm I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)

IPC EasyIP3.0 Series

Model	DS-2CD2735FWD-IZ(S) 	DS-2CD2H55FWD-IZ(S) 	DS-2CD2H85FWD-IZ(S) 	DS-2CD2655FWD-IZ(S) 	DS-2CD2685FWD-IZ(S) 
Image sensor	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Max. Resolution	2049 × 1536	2560 × 1920	3840 × 2160	2560 × 1920	3840 × 2160
Video Compression	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/H.264+/H.265/MJPEG
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 1 lux with IR	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB	120dB
Lens	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm
FOV	110° to 33°	---	---	110° to 33°	110° to 33°
IR Range	Up to 30 m	Up to 30 m	Up to 30 m	Up to 50 m	Up to 50 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection
Frame Rate	Main stream 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Ingress Protection	IP67, IK10	IP67	IP67	IP67, IK10	IP67, IK10
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Alarm I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)

IPC EasyIP3.0 Series




Model	DS-2CD2755FWD-IZ(S) 	DS-2CD2785FWD-IZ(S) 	DS-2CD2935FWD-I(S) 	DS-2CD2955FWD-I(S) 
Image sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Max. Resolution	2560 × 1920	3840 × 2160	2048 × 1536	2560 × 1920
Video Compression	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/H.264+/H.265/MJPEG	H.265+/H.265/MJPEG	H.265+/H.265/MJPEG
Min. Illumination	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.01 lux @(F1.2, AGC ON)	Color: 0.005Lux @ (F1.2, AGC ON)	Color: 0.005Lux @ (F1.2, AGC ON)
WDR	120dB	120dB	120dB	120dB
Lens	2.8-12mm	2.8-12mm	1.16mm	1.16mm
FOV	110° to 33°	110° to 33°	horizontal field of view: 180°, vertical field of view: 180°	horizontal field of view: 180°, vertical field of view: 180°
IR Range	Up to 30 m	Up to 30 m	Up to 15 m	Up to 15 m
VCA	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection, face detection	Motion Detection, DyN/Amic AN/Alysis, Intrusion Detection, Line Crossing Detection	Motion Detection, DyN/Amic AN/Alysis, Intrusion Detection, Line Crossing Detection
Frame Rate	Main stream 50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)	Main stream 50Hz: 25fps (2048 × 1536, 1600 × 1200, 1280 × 960) 60Hz: 30fps (2048 × 1536, 1600 × 1200, 1280 × 960)	Main stream 50Hz: 25fps (2048 × 1536, 1600 × 1200, 1280 × 960) 60Hz: 30fps (2048 × 1536, 1600 × 1200, 1280 × 960)
Multi-streaming	3 streams	3 streams	2 streams	2 streams
Ingress Protection	IP67, IK10	IP67, IK10	---	---
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°	---	---
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-10 °C to +50 °C (-14 °F to +122 °F)	-10 °C to +50 °C (-14 °F to +122 °F)
Humidity	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)	Humidity 95% or less (---condensing)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Alarm I/O	1/1(-S)	1/1(-S)	1/1(-S)	1/1(-S)
Power Supply	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)	DC 12V ± 25%, PoE(802.3af)

NETWORK PTZ CAMERA








PTZ Pro Series





	DS-2DF8236IX-AEL(W)	DS-2DF8223IX-AEL(W)	DS-2DF8436IX-AEL(W)
Model			
Image Sensor	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS
Max.Resolution	1920 × 1080	1920 × 1080	2592 × 1520
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	5.7 mm to 205.2 mm	5.9 mm to 135.7 mm	6 mm to 186 mm
Angle of View	59.8° to 2.0°	59.8° to 3.0°	61.1° to 2.2°
Min. Illumination	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) 0 Lux with IR	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) 0 Lux with IR	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) 0 Lux with IR
WDR	Support	Support	Support
IR Distance	200 m	200 m	200 m
VCA	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (2592 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2592 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Stream	Three	Three	Three
Protection Level	IP66	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -20°-90°(Auto Flip)	Pan: 360° endless; Tilt: -20°-90°(Auto Flip)	Pan: 360° endless; Tilt: -20°-90°(Auto Flip)
Pan/tilt Speed	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"
Working Temperature	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%
Mini SD Memory Card	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)

PTZ Pro Series




	DS-2DF8836IX-AEL(W)	DS-2DF6236X-AEL	DS-2DF6223X-AEL	DS-2DF7230IX-AEL(W)	DS-2DF7220IX-AEL(W)
Model	 DARKFIGHTER	 DARKFIGHTER	 DARKFIGHTER		
Image Sensor	2/3" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Max.Resolution	2592 × 1520	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	6 mm to 186 mm	5.7 mm to 205.2 mm	5.9 mm to 135.7 mm	4.5 mm to 135 mm	4.7 mm to 94 mm
Angle of View	61.1° to 2.2°	59.8° to 2.0°	59.8° to 3.0°	65.1° to 2.34°	61.4° to 2.9°
Min. Illumination	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.0005 Lux @(F1.5, AGC ON) 0 Lux with IR	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)	Color: 0.05 Lux @(F1.6, AGC ON) B/W: 0.01 Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.05 Lux @(F1.6, AGC ON) B/W: 0.01 Lux @(F1.6, AGC ON) 0 Lux with IR
WDR	Support	Support	Support	Support	Support
IR Distance	200 m	---	---	150m	150m
VCA	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main stream: 50Hz: 25fps (2592 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2592 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Stream	Three	Three	Three	Three	Three
Protection Level	IP66	IP66, IK10	IP66, IK10	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -20°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -10 -90°(Auto Flip)	Pan: 360° endless; Tilt: -10 -90°(Auto Flip)
Pan/tilt Speed	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"	Pan: Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s, Tilt: Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s"	Pan: Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s, Tilt: Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s"	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"	Pan: Configurable, from 0.1°/s to 160°/s, Preset Speed: 240°/s, Tilt: Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/s"
Working Temperature	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)
Humidity	≤ 90%	≤ 90%	≤ 90%	≤ 90%	≤ 90%
Mini SD Memory Card	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)

PTZ Pro Series

	DS-2DF5230X-AEL(3)	DS-2DF5220X-AEL(3)
Model		
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Max.Resolution	1920 × 1080	1920 × 1080
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	4.5 mm to 135 mm	4.7 mm to 94 mm
Angle of View	65.1° to 2.34°	61.4° to 2.9°
Min. Illumination	Color: 0.05 Lux @(F1.6, AGC ON) B/W: 0.01 Lux @(F1.6, AGC ON)	Color: 0.05 Lux @(F1.6, AGC ON) B/W: 0.01 Lux @(F1.6, AGC ON)
WDR	Support	Support
IR Distance	---	---
VCA	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Stream	Three	Three
Protection Level	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -5 -90°(Auto Flip)	Pan: 360° endless; Tilt: -5 -90°(Auto Flip)
Pan/tilt Speed	Pan: Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s, Tilt: Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s"	Pan: Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s, Tilt: Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s"
Working Temperature	Outdoor: -40°C to 65°C (-40°F to 149°F)	Outdoor: -40°C to 65°C (-40°F to 149°F)
Humidity	≤ 90%	≤ 90%
Mini SD Memory Card	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIPS), ANR
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	7-ch alarm in/2-ch alarm out	7-ch alarm in/2-ch alarm out
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)

PTZ EasyIP3.0 Series








	DS-2DE4A220IW	DS-2DE4A320IW	DS-2DE4A204IW
Model			
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS
Max. Image Resolution	1920 × 1080	2048 × 1536	1920 × 1080
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	4.7 to 94mm, 20× Optical	4.7 to 94mm, 20× Optical	2.8 to 12mm, 4× Optical
Angle of View	61.4° to 2.9° [wide-tele]	58.3° to 3.2° [wide-tele]	90.1° to 31° [wide-tele]
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON) B/W: 0.01 Lux @ (F1.6, AGC ON) 0 Lux with IR	Color: 0.05 Lux @ (F1.6, AGC ON) B/W: 0.01 Lux @ (F1.6, AGC ON) 0 Lux with IR	Color: 0.002 Lux @ (F1.6, AGC ON) B/W: 0.0002Lux @ (F1.6, AGC ON) 0 Lux with IR
WDR	Support	Support	Support
IR Distance	Up to 50m	Up to 50m	Up to 50m
VCA	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Stream	Three	Three	Three
Protection Level	IP66	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)
Pan/tilt Speed	Configurable, from 0.1°/s to 300°/s Preset Speed: 350°/s; Configurable, from 0.1°/s to 160°/s Preset Speed: 200°/s	Configurable, from 0.1°/s to 300°/s Preset Speed: 350°/s; Configurable, from 0.1°/s to 160°/s Preset Speed: 200°/s	Configurable, from 0.1°/s to 300°/s Preset Speed: 350°/s; Configurable, from 0.1°/s to 160°/s Preset Speed: 200°/s
Working Temperature	-30°C to 65°C [-22°F to 149°F]	-30°C to 65°C [-22°F to 149°F]	-30°C to 65°C [-22°F to 149°F]
Humidity	90% or less	90% or less	90% or less
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	2-ch alarm in/2-ch alarm out	2-ch alarm in/2-ch alarm out	2-ch alarm in/2-ch alarm out
Power	DC 12V and PoE (802.3at, class4) Max.: 18W (IR light 5W Max.)	DC 12V and PoE (802.3at, class4) Max.: 18W (IR light 5W Max.)	DC 12V and PoE (802.3at, class4) Max.: 18W (IR light 5W Max.)

PTZ EasyIP3.0 Series

Model	DS-2DY3220IW 	DS-2DY3320IW 	DS-2DY5223IW-AE 	DS-2DE7530IW 	DS-2DE7430IW 
4.7 to 94mm, 20x Optical	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS
Max. Image Resolution	1920 × 1080	2048 × 1536	1920 × 1080	2592 × 1944	2560 × 1536
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	4.7-94mm, 20X	4.7-94mm, 20X	5.9-135.7mm, 23X	5.9 mm to 177 mm	5.9 mm to 177 mm
Angle of View	58.3°-3.2°(Wide-Tele)	58.3°-3.2°(Wide-Tele)	59.8°-3.0°(Wide-Tele)	51.3° to 2.7°	48.8° to 2.3°
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.005Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.005Lux @ (F1.6, AGC ON), 0 Lux with IR	Color: 0.002Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @ (F1.5, AGC ON)	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.002 Lux @(F1.5, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.002 Lux @(F1.5, AGC ON) 0 Lux with IR
WDR	Support	Support	Support	Support	Support
IR Distance	Up to 100m	Up to 100m	Up to 150m	Up to 150m	Up to 150m
VCA	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main Stream: 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1280 × 960, 1280 × 720)	Main Stream: 50Hz: 25fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1280 × 960, 1280 × 720); 60Hz: 30fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1280 × 960, 1280 × 720)	Main Stream: 50Hz:25fps(1920×1080), 25fps(1280×720) 60Hz:30fps(1920×1080), 30fps(1280×720)	50Hz: 25fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	50Hz: 25fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multi-Stream	Three	Three	Two	Three	Three
Protection Level	IP66	IP66	IP66	IP66	IP66
Pan/tilt range	-D4: Pan: 360°endless, Tilt: -40°- 30°; -D: Tilt: -40°- -20°, Pan: 0°- 120°S 240°-360°; Tilt: -20°- 30°, Pan: 360°endless	-D4: Pan: 360°endless, Tilt: -40°- 30°; -D: Tilt: -40°- -20°, Pan: 0°- 120°S 240°-360°; Tilt: -20°- 30°, Pan: 360°endless	Pan: 360° endless, Tilt: +90°--90°	Pan:360° endless; Tilt: -15°-90°(Auto Flip)	Pan:360° endless; Tilt: -15°-90°(Auto Flip)
Pan/tilt Speed	Pan: 0.1°-60°/s, Tilt: 0.1°-30°/s	Pan: 0.1°-60°/s, Tilt: 0.1°-30°/s	Pan: 0.1°-200°/s, Tilt: 0.1°-50°/s	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s; Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s; Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
Working Temperature	-30 °C - 65 °C (Outdoor)	-30 °C - 65 °C (Outdoor)	-40°C ~ 65°C	-30°C ~ 65°C [-22°F ~ 149°F]	-30°C ~ 65°C [-22°F ~ 149°F]
Humidity	90% or less	90% or less	90% or less	90% or less	90% or less
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	1-ch alarm in/1-ch alarm out	1-ch alarm in/1-ch alarm out	7-ch alarm in/2-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out
Power	DC 12V, MAX. 19W	DC 12V, MAX. 19W	Hi-PoE824 VAC, Max. 45W	High-PoE824 VAC, Max.40W	High-PoE824 VAC, Max.40W

PTZ EasyIP3.0 Series

Model	DS-2DE7420IW 	DS-2DE7230IW 	DS-2DE7220IW 	DS-2DE7330IW 	DS-2DE7320IW 
Image Sensor	1/1.9" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Max. Image Resolution	2560 × 1536	1920 × 1080	1920 × 1080	2048 × 1536	2048 × 1536
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	5.9 mm to 118 mm	4.3-129.0mm, 30x	4.3-94.0mm, 20x	4.3 to 129mm, 30× Optical	4.7 to 94mm, 20× Optical
Angle of View	48.8° to 3.5°	65.5-2.11degree (Wide-Tele)	61.4-2.9 degree (Wide-Tele)	57.4 - 2.8 degree (wide-tele)	58.3- 3.2 degree (wide-tele)
Min. Illumination	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.002 Lux @(F1.5, AGC ON) 0 Lux with IR*	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01lux, 0 lux with IR	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01lux, 0 lux with IR	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01Lux @ (F1.6, AGC ON) IR: 0 Lux	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01Lux @ (F1.6, AGC ON) IR: 0 Lux
WDR	Support	Support	Support	Support	Support
IR Distance	Up to 150m	Up to 150m	Up to 150m	Up to 150m	Up to 150m
VCA	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	50Hz: 25fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2592 × 1944, 2560 × 1536, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (2048×1536, 1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(2048×1536, 1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (2048×1536, 1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(2048×1536, 1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)
Multi-Stream	Three	Three	Three	Three	Three
Protection Level	IP66	IP66	IP66	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)	Pan: 360° endless; Tilt: -15°-90°(Auto Flip)
Pan/tilt Speed	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s; Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s; Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s; Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Configurable, from 0.1°/s to 160°/s Preset Speed: 240°/s; Configurable, from 0.1°/s to 120°/s Preset Speed: 200°/s	Configurable, from 0.1°/s to 160°/s Preset Speed: 240°/s; Configurable, from 0.1°/s to 120°/s Preset Speed: 200°/s
Working Temperature	-30°C ~ 65°C (-22°F ~ 149°F)	-30°C ~ 65°C (-22°F ~ 149°F)	-30°C ~ 65°C (-22°F ~ 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)
Humidity	90% or less	90% or less	90% or less	90% or less	90% or less
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out
Power	High-PoE824 VAC, Max.40W	High-PoE824 VAC, Max.40W	High-PoE824 VAC, Max.40W	High-PoE824 VAC, Max.40W	High-PoE824 VAC, Max.40W



PTZ EasyIP3.0 Series

Model	DS-2DE5220IW 	DS-2DE5230W 	DS-2DE5220W 	DS-2DE5330W 
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Image Resolution	1920 × 1080	1920 × 1080	1920 × 1080	2048 × 1536
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Focal Length	4.7-94mm, 20x	4.3-129mm, 30x	4.7-94mm, 20x	4.3 to 129mm, 30× Optical
Angle of View	61.4-2.9 degree (Wide-Tele)	65.5-2.11 degree (Wide-Tele)	61.4-2.9 degree (Wide-Tele)	57.4° to 2.8° (wide-tele)
Min. Illumination	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux	0.05Lux @ (F1.6, AGC ON), B/W: 0.01Lux @ (F1.6, AGC ON)	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux	Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01Lux @ (F1.6, AGC ON)
WDR	Support	Support	Support	Support
IR Distance	Up to 150m	--	--	--
VCA	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection	Support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Frame rate	Main stream: 50Hz: 25fps (1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)	Main stream: 50Hz: 25fps (2048×1536, 1920 × 1080, 1280×960, 1280×720), 50fps (1280×960, 1280×720); 60Hz: 30fps(2048×1536, 1920 × 1080, 1280×960, 1280×720), 60fps (1280×960, 1280×720)
Multi-Stream	Three	Three	Three	Three
Protection Level	IP66	IP66	IP66	IP66
Pan/tilt range	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)	Pan: 360° endless; Tilt: -5°-90°(Auto Flip)
Pan/tilt Speed	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s Tilt Manual Speed: 0.1°-150°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s Tilt Manual Speed: 0.1°-150°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s Tilt Manual Speed: 0.1°-150°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s Tilt Manual Speed: 0.1°-150°/s, Tilt Preset Speed: 200°/s
Working Temperature	-AE: -30°C to 65°C (-22°F to 149°F) -AE3: -10°C to 50°C (14°F to 122°F)	-AE: -30°C to 65°C (-22°F to 149°F) -AE3: -10°C to 50°C (14°F to 122°F)	-AE: -30°C to 65°C (-22°F to 149°F) -AE3: -10°C to 50°C (14°F to 122°F)	-AE: -30°C to 65°C (-22°F to 149°F) -AE3: -10°C to 50°C (14°F to 122°F)
Humidity	90% or less	90% or less	90% or less	90% or less
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card	Support up to 128GB Micro SD/SDHC/SDXC card
Audio I/O	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out	1-ch audio in/1-ch audio out
Alarm I/O	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out	2-ch alarm in/1-ch alarm out
Power	AC 24V and PoE (802.3at, class4) Max.: 18W	AC 24V and PoE (802.3at, class4) Max.: 18W	AC 24V and PoE (802.3at, class4) Max.: 18W	AC 24V and PoE (802.3at, class4) Max.: 18W

THERMAL CAMERA





Thermal Camera

	DS-2TD2136(T)	DS-2TD2166(T)
Model		
Image sensor	V0x Uncooled Focal Plane Arrays	V0x Uncooled Focal Plane Arrays
Max. resolution(pixels)	384 × 288	640 × 512
Video compression	H.265+ /H.265/H.264+ / H.264/MJPEG	H.265+ /H.265/H.264+ / H.264/MJPEG
Min. Illumination	--	--
Pixel pitch	17μm	17μm
Sensitivity	< 50mk(@25°C,F/#=1.0)	< 50mk(@25°C,F/#=1.0)
Lens	10mm 15mm 25mm	15mm 25mm 35mm
Field of view	10mm: 36°×27° 15mm: 24°×19° 25mm: 15°×11°	15mm: 39°×32° 25mm: 24°×19° 35mm: 17°×14°
Detection range(m)	10mm: 902(a)/294(b) 15mm: 1353(a)/441(b) 25mm: 2255(a)/735(b)	15mm: 1353(a)/441(b) 25mm: 2255(a)/735(b) 35mm: 3157(a)/1029(b)
Frames rate	Main stream: 50fps Sub stream: 50fps Third stream: 50fps	Main stream: 50fps Sub stream: 50fps Third stream: 50fps
Ingress protection	IP66	IP66
Angle adjustment	3-axis adjustable	3-axis adjustable
Working temperature	-40 °C to 65 °C (-40 °F to 140 °F)	-40 °C to 65 °C (-40 °F to 140 °F)
On-board storage	Support Micro SD/SDHC/SDXC card (up to 64G)	Support Micro SD/SDHC/SDXC card (up to 64G)
Audio support	DS-3E0326P-E	3.5mm Mic in/Line in interface
Alarm in-/outputs	2-ch inputs 2-ch configurable outputs	2-ch inputs 2-ch configurable outputs
Power	Unmanaged L2 PoE Switch • 24×10/100Mbps PoE ports, each port support 802.3af/802.3at self-adaption • 2×1000M combo port • 370Watts PoE budget • 250m transmission • 4 kV surge protection • Plug-and-play installation	24V AC, 12V DC/3A POE+ (802.3at)
VCA	Line crossing Intrusion detection Fire detection	Line crossing Intrusion detection Fire detection
Temperature measuring range (Only valid for Thermometric model)	Toot	-20 °C to 550 °C (-4 °F to 1022 °F)
Temperature Accuracy (Only valid for Thermometric model)	Max(±2 °C-±2%)	Max(±2 °C-±2%)
Temperature Measurement Type (Only valid for Thermometric model)	Point / line / frame	Point / line / frame



Thermal

Thermal Camera




	DS-2TD2336	DS-2TD2366
Model		
Image sensor	V0x Uncooled Focal Plane Arrays	V0x Uncooled Focal Plane Arrays
Max. resolution(pixels)	384 × 288	640 × 512
Video compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Min. Illumination	--	--
Pixel pitch	17μm	17μm
Sensitivity	< 50mk(@25°C,F/#=1.0)	< 50mk(@25°C,F/#=1.0)
Lens	50mm 75mm 100mm	50mm 75mm 100mm*
Field of view	50mm: 7.47°×5.60° 75mm: 4.98°×3.73° 100mm: 3.73°×2.80°	50mm: 12.42°×9.95° 75mm: 8.3°×6.64° 100mm: 6.23°×4.98°
Detection range(m)	50mm: 4510(a)/1471(b) 75mm: 6765(a)/2206(b) 100mm: 9020(a)/2941(b)	50mm: 4510(a)/1471(b) 75mm: 6765(a)/2206(b) 100mm: 9020(a)/2941(b)
Frames rate	Main stream: 50fps Sub stream: 50fps Third stream: 50fps	Main stream: 50fps Sub stream: 50fps Third stream: 50fps
Ingress protection	IP66	IP66
Angle adjustment	3-axis adjustable	3-axis adjustable
Working temperature	-40 °C to 65 °C (-40 °F to 140 °F)	-40 °C to 65 °C (-40 °F to 140 °F)
On-board storage	Support Micro SD/SDHC/SDXC card (up to 64G)	Support Micro SD/SDHC/SDXC card (up to 64G)
Audio support	3.5mm Mic in/Line in interface	3.5mm Mic in/Line in interface
Alarm in-/outputs	2-ch inputs 2-ch configurable outputs	2-ch inputs 2-ch configurable outputs
Power	24V AC, 12V DC, POE (802.3at)	24V AC, 12V DC, POE (802.3at)
VCA	Line crossing Intrusion detection Fire detection	Line crossing Intrusion detection Fire detection
Temperature measuring range (Only valid for Thermometric model)	--	--
Temperature Accuracy (Only valid for Thermometric model)	--	--
Temperature Measurement Type (Only valid for Thermometric model)	--	--

NETWORK VIDEO RECORDER



NVR Pro Series



	DS-96256NI-I24(/H)	DS-96128NI-I24(/H)	DS-96256NI-I16(/H)
Model	 Super NVR	 Super NVR	 Super NVR
hardware platform	Intel	Intel	Intel
channel	256	128	256
Decoding format	H.265+ /H.265/H.264+/H.264	H.265+ /H.265/H.264+/H.264	H.265+ /H.265/H.264+/H.264
Incoming/outgoing bandwidth	768Mbps/768Mbps	Up to 768Mbps/512Mbps	768Mbps/768Mbps
Decoding Capability	20-ch @ 1080p or 64-ch @ 1080p(/H model)	20-ch @ 1080p or 64-ch @ 1080p(/H model)	20-ch @ 1080p or 64-ch @ 1080p(/H model)
Recording Resolution	Up to 12MP	Up to 12MP	Up to 12MP
Display	2 × HDMI(independent), 1 x VGA	2 × HDMI(independent), 1 x VGA	2 × HDMI(independent), 1 x VGA
LCD	One 7 inch LCD (optional)	One 7 inch LCD (optional)	One 7 inch LCD (optional)
Storage capacity	8TB x 24(Hot Swap)	8TB x 24(Hot Swap)	8TB × 16(Hot Swap)
eSATA/Mini SAS	---/2 mini SAS(optional)	---/2 mini SAS(optional)	---/2 mini SAS(optional)
RAID type	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10
Audio output	1-ch. RCA(2.0 Vp-p, 1KΩ)	1-ch. RCA(2.0 Vp-p, 1KΩ)	1-ch. RCA(2.0 Vp-p, 1KΩ)
Alarm input/output	16/8	16/8	16/8
Network interface	4 RJ45 10m/100m/1000m	4 RJ45 10m/100m/1000m	4 RJ45 10m/100m/1000m
PoE port	---	---	---
USB port	1 × USB 2.0, 2 × USB 3.0	1 × USB 2.0, 2 × USB 3.0	2 × USB 2.0, 2 × USB 3.0
smart function	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering
Power consumption(without HDD)	≤140W	≤140W	≤140W
Star features	Redundant power supply, video wall function with /H model,4K decoding and 4K output, N+1	Redundant power supply, video wall function with /H model,4K decoding and 4K output, N+1	Redundant power supply, video wall function with /H model,4K decoding and 4K output, N+1

NVR Pro Series

Model	DS-96128NI-I16(/H)	DS-9664NI-I16	DS-9632NI-I16	DS-9616NI-I16	DS-9664NI-I8
	 Super NVR				
hardware platform	Intel	ARM	ARM	ARM	ARM
channel	128	64	32	16	64
Decoding format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/outgoing bandwidth	Up to 768Mbps/512Mbps	320Mbps/256Mbps(200 when RAID is enabled)	320Mbps/256Mbps(200 when RAID is enabled)	256Mbps/256Mbps(200 when RAID is enabled)	320Mbps/256Mbps or 200Mbps/200Mbps(RAID)
Decoding Capability	20-ch @ 1080p or 64-ch @ 1080p(/H model)	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p
Recording Resolution	Up to 12MP	Up to 12MP	Up to 12MP	Up to 12MP	Up to 12MP
Display	2 × HDMI(independent), 1 × VGA	2 × HDMI(independent), 2 × VGA	2 × HDMI(independent), 2 × VGA	2 × HDMI(independent), 2 × VGA	2 × HDMI(independent), 2 × VGA
LCD	One 7 inch LCD (optional)	---	---	---	---
Storage capacity	8TB × 16(Hot Swap)	6TB × 16(Hot Swap)	6TB × 16(Hot Swap)	6TB × 16(Hot Swap)	6TB × 8(Hot Swap)
eSATA/Mini SAS	---/2 mini SAS(optional)	1 eSATA /---	1 eSATA /---	1 eSATA /---	1 eSATA /---
RAID type	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10
Audio output	1-ch. RCA(2.0 Vp-p, 1KΩ)	2-ch. RCA(Linear, 1 KΩ)	2-ch. RCA(Linear, 1 KΩ)	2-ch. RCA(Linear, 1 KΩ)	1-ch. RCA(2.0 Vp-p, 1KΩ)
Alarm input/output	16/8	16/8 N+1	16/8 , N+1	16/8	16/4
Network interface	4 RJ45 10m/100m/1000m	2 RJ45 10m/100m/1000m	2 RJ45 10m/100m/1000m	2 RJ45 10m/100m/1000m	2 RJ45 10m/100m/1000m
PoE port	---	---	---	---	---
USB port	2 × USB 2.0, 2 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0
smart function	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering
Power consumption(without HDD)	≤140W	≤40W	≤40W	≤40W	≤30W
Star features	Redundant power supply, video wall function with /H model, 4K decoding and 4K output, N+1	Large storage capacity and large input channels, HDD hot swap with RAID, N+1	Large storage capacity and large input channels, HDD hot swap with RAID, N+1	Large storage capacity and large input channels, HDD hot swap with RAID, text overlay function(POS), N+1	Large storage capacity and large input channels, HDD hot swap with RAID, text overlay function(POS), N+1

NVR Pro Series

Model	DS-9632NI-I8	DS-9616NI-I8	DS-7732NI-I4(/16P)	DS-7716NI-I4(/16P)	DS-7616NI-I2(/16P)	DS-7608NI-I2(8P)
hardware platform	ARM	ARM	ARM	ARM	ARM	ARM
channel	32	16	32	16	16	8
Decoding format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/outgoing bandwidth	320Mbps/256Mbps or 200Mbps/200Mbps(RAID)	256Mbps/256Mbps or 200Mbps/200Mbps(RAID)	256Mbps/256Mbps or	160Mbps/256Mbps or	160Mbps/256Mbps	80Mbps/256Mbps
Decoding Capability	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p	4-ch @ 4K or 16-ch @ 1080p	2-ch @ 4K, or 8-ch @ 1080p	4-ch @ 4K, or 16-ch @ 1080p
Recording Resolution	Up to 12MP	Up to 12MP	Up to 12MP	Up to 12MP	Up to 12MP	Up to 12MP
Display	2 × HDMI(independent), 2 × VGA	2 × HDMI(independent), 2 × VGA	1 × HDMI, 1 × VGA	1 × HDMI, 1 × VGA	1 × HDMI, 1 × VGA	1 × HDMI, 1 × VGA
LCD	---	---	---	---	6TB × 2	6TB × 2
Storage capacity	6TB × 8(Hot Swap)	6TB × 8(Hot Swap)	6TB × 4	6TB × 4	---	---
eSATA/Mini SAS	1 eSATA /---	1 eSATA /---	---	---	---	---
RAID type	RAID 0/1/5/6/10	RAID 0/1/5/6/10	---	---	---	---
Audio output	1-ch. RCA(2.0 Vp-p, 1KΩ)	1-ch. RCA(2.0 Vp-p, 1KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm input/output	16/4	16/4	16/4	16/4	4/1	4/1
Network interface	2 RJ45 10m/100m/1000m	2 RJ45 10m/100m/1000m	2 RJ45 10/100/1000m or 1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)	2 RJ45 10/100/1000m or 1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)	1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)	1 RJ45 10/100/1000m + 8 RJ45 10/100m(/8P model)
PoE port	---	---	16 PoE with /16P model, up to 300m	16 PoE with /16P model, up to 300m	16 PoE with /16P model, up to 300m	8 PoE with /8P model, up to 300m
USB port	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0	1 × USB 2.0, 1 × USB 3.0	1 × USB 2.0, 1 × USB 3.0
smart function	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering
Power consumption(without HDD)	≤30W	≤30W	≤20W	≤20W	≤ 15W(without enabling PoE)	≤ 15W(without enabling PoE)
Star features	Large storage capacity and large input channels,HDD hot swap with RAID,text overlay function(POS), N+1	Large storage capacity and large input channels,HDD hot swap with RAID,text overlay function(POS), N+1	4K NVR with strong decoding capability,easy to install with PoE model,text overlay function(POS)	4K NVR with strong decoding capability,easy to install with PoE model,text overlay function(POS)	4K NVR with strong decoding capability,easy to install with PoE model,text overlay function(POS)	4K NVR with strong decoding capability,easy to install with PoE model,text overlay function(POS)

EasyIP 3.0













































NVR EasyIP3.0 Series

	DS-7732NI-K4(/16P)	DS-7716NI-K4(/16P)
Model		
hardware platform	ARM	ARM
channel	32	16
Decoding format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/outgoing bandwidth	256Mbps/160Mbps	160Mbps/160Mbps
Decoding Capability	2-ch @ 4K, or 8-ch @ 1080p	2-ch @ 4K, or 8-ch @ 1080p
Recording Resolution	Up to 8MP	Up to 8MP
Display	1 × HDMI, 1 × VGA	1 × HDMI, 1 × VGA
LCD	6TB × 4	6TB × 4
Storage capacity	---	---
eSATA/Mini SAS	---	---
RAID type	---	---
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm input/output	16/4	16/4
Network interface	2 RJ45 10/100/1000m or 1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)	2 RJ45 10/100/1000m or 1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)
PoE port	16 PoE with /16P model, up to 300m	16 PoE with /16P model, up to 300m
USB port	2 × USB 2.0, 1 × USB 3.0	2 × USB 2.0, 1 × USB 3.0
smart function	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering	Intrusion, Line crossing, Unattended Baggage, Object removal, Region exiting/entrance, People gathering, Fast moving, Parking, Loitering
Power consumption(without HDD)	≤ 20W(without enabling PoE)	≤ 20W(without enabling PoE)
Star features	Entry 4K NVR, easy to install with PoE model	Entry 4K NVR, easy to install with PoE model









NVR EasyIP3.0 Series

	DS-7616NI-K2(/16P)	DS-7608NI-K2(/8P)	DS-7604NI-K1(/4P)
Model			
hardware platform	ARM	ARM	ARM
channel	16	8	4
Decoding format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Incoming/outgoing bandwidth	256Mbps/160Mbps	160Mbps/160Mbps	40Mbps/ 80Mbps
Decoding Capability	2-ch @ 4K, or 8-ch @ 1080p	2-ch @ 4K, or 8-ch @ 1080p	4-ch @ 1080p
Recording Resolution	Up to 8MP	Up to 8MP	Up to 8 MP
Display	1 × HDMI, 1 × VGA	1 × HDMI, 1 × VGA	1 x HDMI, 1 x VGA
LCD	6TB × 2	6TB × 2	---
Storage capacity	---	---	6TB x 1
eSATA/Mini SAS	---	---	---
RAID type	---	---	---
Audio output	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)	1-ch, RCA (Linear, 1 KΩ)
Alarm input/output	4/1	4/1	---
Network interface	1 RJ45 10/100/1000m + 16 RJ45 10/100m(/16P model)	1 RJ45 10/100/1000m + 8 RJ45 10/100m(/8P model)	1 RJ45 10/100m + 4 RJ45 100m(/4P model)
PoE port	16 PoE with /16P model, up to 300m	8 PoE with /8P model, up to 300m	4 PoE with /4P model, up to 300m
USB port	1 × USB 2.0, 1 × USB 3.0	1 × USB 2.0, 1 × USB 3.0	1 × USB 2.0, 1 × USB 3.0
smart function	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering	Intrusion,Line crossing,Unattended Baggage,Object removal,Region exiting/entrance,People gathering,Fast moving,Parking,Loitering
Power consumption(without HDD)	≤ 15W(without enabling PoE)	≤ 15W(without enabling PoE)	≤ 10W(without enabling PoE)
Star features	Entry 4K NVR,easy to install with PoE model	Entry 4K NVR,easy to install with PoE model	Entry 4K NVR,easy to install with PoE model

Accessories

Bullet camera												
	4C/50xx Series	DS-1299ZJ	DS-1292ZJ	DS-1340HZ	DS-1275ZJ-4626	DS-1331HZ Series	DS-1293ZJ	DS-1269ZJ	DS-1214ZJ(-T)			
	Description	Pendant Mount	Wall mount	<ul style="list-style-type: none"> • 3-axis adjustment • Contain wires & fan • IK10 • Outdoor housing 	<ul style="list-style-type: none"> • Vertical Pole Mount with 1340HZ • Indoor/Outdoor 	Outdoor housing	Wall mount with housing	Pendant mount with housing	Horizontal pole mount			
												
	20xx Series	2Tx Series	4Bxx Series	DS-1280ZJ-XS DS-1280ZJ-S	DS-1275ZJ DS-1275ZJ-SUS	DS-1276ZJ DS-1276ZJ-SUS						
Description				Junction box	Vertical pole mount	Corner mount						
Dome camera												
	21xx Series	DS-1259ZJ	DS-1271ZJ-110	DS-1272ZJ-110	DS-1272ZJ-110B	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-DM18	DS-1258ZJ	DS-1253ZJ-M	DS-1250ZJ	
	Description	Inclined ceiling mount	Pendant mount	Wall mount	Wall mount	Vertical pole mount	Corner mount	Junction box	Wall mount	Rain shade	Rain shade	
												
	23xx Series	DS-1273ZJ-130-TRL	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-DM8	DS-1281ZJ-M	DS-1271ZJ-130-TRL					
	Description	Wall mount	Vertical pole mount	Corner mount	Junction box	Inclined ceiling mount	Pendant mount					
												
29xx Series	DS-1294ZJ	DS-1281ZJ-DM27	DS-1297ZJ	DS-1299ZJ								
Description	Wall mount	Inclined ceiling mount	Pendant mount (extendable)	Pendant Mount								
												
40xx Series	DS-1273ZJ-DM32	DS-1271ZJ-DM32	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1227ZJ-DM32							
Description	Wall mount	Pendant mount	Vertical pole mount	Corner mount	In-ceiling Mount							

Accessories

PTZ Dome camera		DE5xxxW Series	DE5xxxIW Series	DE7xxxIW Series	DF5xxxX Series	DF6xxxX Series	DF8xxxIX Series						
		DS-1661ZJ	DS-1662ZJ	DS-1663ZJ	DS-1660ZJ	DS-1604ZJ	DS-1604ZJ-pole	DS-1604ZJ-corner	DS-1604ZJ-box	DS-1604ZJ-BOX-POLE	DS-1604ZJ-BOX-CORNER	DS-1619ZJ	DS-1667ZJ
	Pendant mount	Pendant mount	Ceiling mount	Parapet wall mount	Wall mount	Vertical pole mount	Corner mount	Wall mount with junction box	Vertical Pole Mount with junction box	Wall Mount with junction box	Gooseneck mount	Extendable pole for Pendant mount	
PT11													
	DS-2DE4Axxx DS-2DE44204IW-DE DS-2DE4A220IW-DE DS-2DE4A320IW-DE	DS-1605ZJ Wall Mount Bracket	DS-1671ZJ-SD11 In-ceiling Mount Bracket	DS-1280ZJ-SD11 Junction Box	DS-1691ZJ-L Pendant mount	DS-1691ZJ-M Pendant mount	DS-1691ZJ Pendant mount						
	Description	Hik white Aluminum alloy 183.5×120×228.6 mm, 1120g	Hik white Aluminum alloy Ø233×85mm	Hik white Aluminum alloy Ø158×40mm	Hik white Steel 124×84×1000mm 2175g	Hik white Steel 124×84×500mm 1175g	Hik white Aluminum alloy 84×124×335mm 980g						
Positioning System Lite													
	DS-2DY5223IW-AE	DS-1693ZJ-S											
	Description	Wall mount Hik white steel 167×182×309mm, 2330g Outdoor											
PT Bullet Camera													
	DS-2DY3xxxIW-DE	DS-1280ZJ-M(SPTZ)		DS-1281ZJ-M(SPTZ)		DS-1275ZJ(SPTZ)							
	Description	Junction Box "Hik white steel 157 x 53.4 x 184mm, 621g" Outdoor		Inclined ceiling mount "Hik white steel 157 x 61.8 x 165.7mm, 586g" Outdoor		Pole mount "Hik white steel 250 x 127 x 140mm" Outdoor							

Accessories

Lens						
Appearance						
Model	HV3816P-8MPIR	HV1140P-8MPIR	HV0733D-6MP	TV2713D-5MP	HF3417D-12MPIR	
Description	<ul style="list-style-type: none"> Image size: 1/1.8" Aperture: F1.4 Focus length: 3.8-16mm Mount: CS Resolution: 8MP 	<ul style="list-style-type: none"> Image size: 1/1.8" Aperture: F1.4 Focus length: 11-40mm Mount: CS Resolution: 8MP 	<ul style="list-style-type: none"> Image size: 1/1.8" Aperture: F0.95 Focus length: 7-33mm Mount: CS Resolution: 6MP 	<ul style="list-style-type: none"> Image size: 1/2.7" Aperture: F0.95 Focus length: 2.7-13mm Mount: CS Resolution: 5MP 	<ul style="list-style-type: none"> Image size: 1/1.7" Aperture: F1.7 Focus length: 3.4mm Mount: CS Resolution: 12MP 	
Pickup			Mirco SD Card			
Appearance						
Model	DS-2FP4021-B	DS-2FP2020	DS-UTF32/64G-H1	DS-UTF16/32/64/128G-L2		
Description	<ul style="list-style-type: none"> Hi-fidelity Pickup Input DC 12V Scope: up to 60m2 Sensitive: -41dB External Size: 64mm×20mm(diameter×height) 	<ul style="list-style-type: none"> Fidelity Pickup Input DC 12V Scope: up to 70m2 Sensitive: -32dB External Size: Ø78mm×28mm 	<ul style="list-style-type: none"> MLC Class10(reading25MB/s, writing: 20MB/s) Storage capacity: 32/64G 	<ul style="list-style-type: none"> TLC Class10(reading25MB/s, writing: 20MB/s) Storage capacity: 16/32/64/128G 		
PoE Switch					Tool	
Appearance						
Model	DS-3E0326P-E	DS-3E1326P-E	DS-3D2228P		IPC-4300H	
Description	<ul style="list-style-type: none"> Unmanaged L2 PoE Switch 24×10/100Mbps PoE ports, each port support 802.3af/802.3at self-adaption 2×1000M combo port 370Watts PoE budget 250m transmission 4 kV surge protection Plug-and-play installation 	<ul style="list-style-type: none"> Managed L2 PoE Switch 24×10/100Mbps PoE ports, each port support 802.3af/802.3at self-adaption 2×1000M combo port 370Watts PoE budget 250m transmission 4 kV surge protection Web-managed: VLAN, Port Mirroring, SNMP, etc. 	<ul style="list-style-type: none"> Full Managed L2 PoE Switch 24×10/100Mbps PoE ports, each port support 802.3af/802.3at self-adaption 4×Gigabit combo ports 370Watts PoE budget QoS and flow control VLAN support and tagging Spanning Tree Protocol(STP) Network Management: SNMP, Telnet, RMON, CLI Network Security: IEEE 802.1x, IP ACL, MAC ACL, VLAN,ACL, and static/dynamic ARP prevention 		<ul style="list-style-type: none"> Integrated Mount Tester For IPC, HDTVI, Analog camera TDR,record,playback,etc 	
Keyboard				Tool		
Appearance				Appearance		
Model	DS-1100KI	DS-1200KI	DS-1005KI	Model	DS-1LN6-UU	DS-1LN5E-S
Description	<ul style="list-style-type: none"> 7" TFT touch screen with 800×480 resolution Live view and video playback Video wall control 4-axis joystick Macro command operation Up to 255 analog domes by RS-485 connection Compatible with Hikvision IP cameras, DVR/NVR,decoder, matrix 	<ul style="list-style-type: none"> 128×64 LED dot matrix screen PTZ and TV wall control 4-axis joystick System upgrade and import / export of configuration files by USB-flash disk Network access and configuration by Web browser support 	<ul style="list-style-type: none"> USB HID protocol Power supply and communication by USB port directly PTZ control: set and call the preset, patrol and pattern DVR/NVR menu control Compatible with client software and platform software 	Description	<ul style="list-style-type: none"> HIKVISION E484059-Z (UL) CM 4PR 23AWG 75 C U/UTP CAT6 VERIFIED TO ANSI/TIA-568-C.1 PVC ***** mm/dd/yyyy 	<ul style="list-style-type: none"> HIKVISION E484059-Z CM (UL) 4PR 24AWG 75 C U/UTP CAT5E VERIFIED TO ANSI/TIA-568-C.2 PVC ***** mm/dd/yyyy



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