

IP VIDEO PRODUCT SELECTION

2019 Ver. 2

Network Cameras / PTZ / Thermal / NVR / Display & Control / Transmission / Accessories / Video Management Software / DORI Distance



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IP- AI

Functions



1 Perimeter Protection

Further analysis is performed on detected behaviors or events, classify the human and vehicle target and automatically filter out false alarms introduced by animals, rustling leaves, bright lights, rain or snow, etc., greatly improving alarm accuracy. What's more, PTZ cameras could zoom and track on the target you want to get more details.

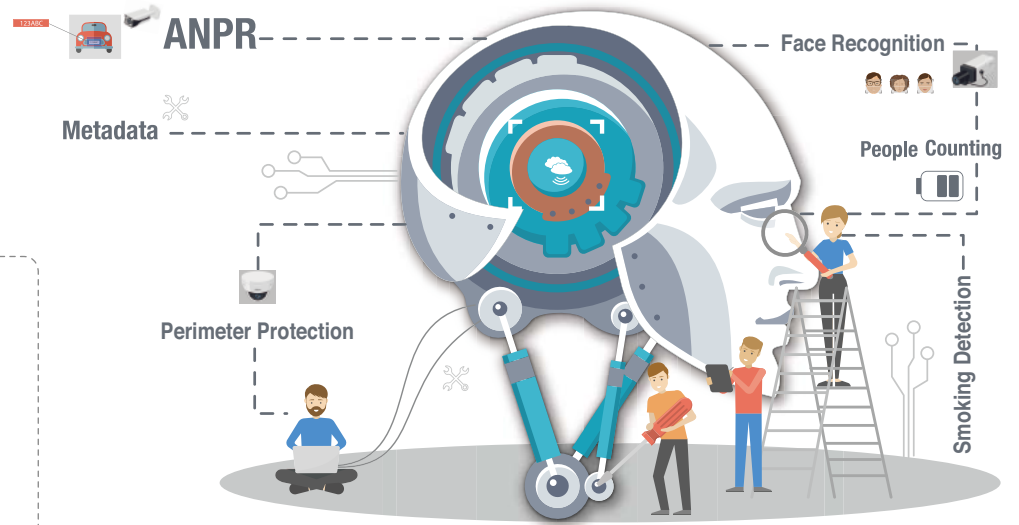
Lower maintenance cost, better monitoring efficiency and high accuracy & tracking performance



Intrusion Detection (Visible)

Line crossing Detection (Visible)

Line crossing Detection (Thermal)



2 Face Recognition

The face recognition function can be used to determine whether faces are present in the input face image or video. Once facial features are extracted from captured faces, the human face will be modeled. Each face model is compared with face models stored in the known faces database for identification.

Face recognition can provide business applications such as VIP customer identification, man hunter, attendance, access control, visitor management and others.



3 Metadata

Metadata is feature attribute information extracted from a target object which can be used for data retrieval. Currently, there are four main kinds of metadata in the security industry: human face, human body, and motor vehicle and non-motor vehicle metadata. Facial information includes sex, age, glasses, masks, expressions, beards, etc. Human body information includes tops, pants, clothing color, backpacks, etc. Vehicle

information includes color, model, etc. Non-motor vehicle information includes color, model, etc.

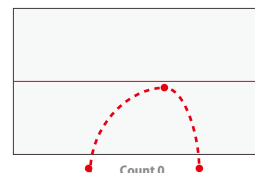
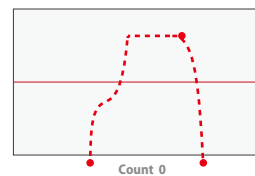
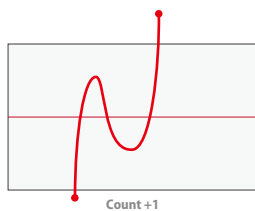
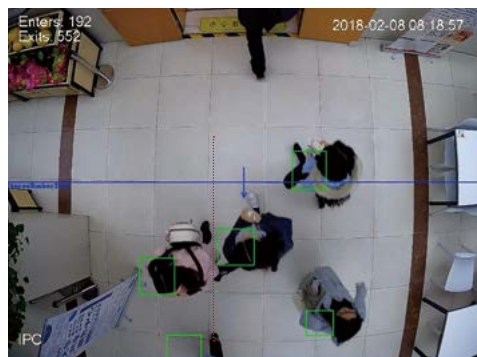
According to structured information of target, it can output a report for analyzing. That is helpful to the security management or traffic control.



4 People Counting

The number of people that enter/leave/pass some specific areas within specific time periods is counted after filtering out non-important targets (shopping carts, wandering personnel, etc.).

People counting can take into account both population statistics and video surveillance, which can support multi-lines and zones scenario application.



5 ANPR

ANPR (Automatic Number Plate Recognition) is a technology that uses optical character recognition on images to read license plates with high recognition accuracy. ANPR applications include toll collection, traffic monitoring and security, speed and journey time measurement, parking and access control, etc.

ANPR can support application in gate linkage and vehicle retrieval.



6 Smoking Detection

Smoking detection is a built-in video analytics algorithm that combines with thermal imaging and visible light technology, based on Dahua Deep-learning AI algorithm to automatically detect if there is someone smoking in a detection area and to trigger an alarm.

Dahua thermal camera can provide a real-time monitoring, in the use of AI technology, to automatically detect people's smoking behavior and provide intelligent voice and light warning (Loudspeaker and white light, etc.) in an effort to dissuade or correct, and avoid potential risk and loss.



Applications



1 Metadata Search

Metadata is feature attribute information extracted from the target objects including human face, vehicle, human body and non-motor vehicle.

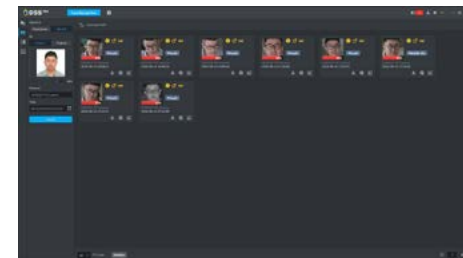
Target search with metadata, enhancing accuracy and efficiency.



2 Face Image Search

Users can upload the face images of targets to AI NVR to compare them with captured faces, so as to retrieve the relevant video and find out the targets.

Quick and handy search for a person of interest can be achieved through multi-channels and which significantly enhances accuracy and efficiency.



NETWORK CAMERAS



NETWORK CAMERAS

Ultra AI Series

Ultra-AI series network camera supports various intelligent functions and meet users' requirements in different scenes. Adopting excellent image processing technology, this series network camera performs good in WDR and low illuminance environment. The camera provides better solution to image processing and intelligent application.

⊕ KEY FEATURES

Perfect Performance

Adopt the most advanced AI technologies including deep learning algorithms

AI Functions

Face Recognition / Face Detection / People Counting / Video Structuring / ANPR

Smart H.265+

Smart H.265+ improves efficiency more than 70% storage

Excellent Image

Ultra WDR (140 dB) / starlight provides clear image under any conditions

Ultra AI Series

Box Camera

Model	IPC-HF7842F	IPC-HF7442F	IPC-HF7442F-FR
Appearance	 AI 4K Starlight	 AI Starlight+	 AI Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	C/CS	C/CS	C/CS
FOV-H	--	--	--
Min. Illumination	0.005 Lux@F1.5 (Color, 1/3s, 30IRE)	0.001 Lux@F1.5 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.5 (Color, 1/3 s, 30IRE)
Day/Night	ICR	ICR	ICR
WDR	120dB	140dB	140 dB
Max. IR Distance	--	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	8M (3840×2160)	4M (2688×1520)	4MP(2688×1520)
Frame Rate	25/30fps@8Mp	50/60fps@4Mp	50/60fps@4Mp
Multi-streaming	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	--	--	--
Compatibility	ONVIF profile S&G,CGI,P2P	ONVIF profile S&G,CGI,P2P	ONVIF (Profile S/Profile G), CGI, P2P
Audio In/Out	2/2	2/2	2/2
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	--	--	--
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	12V DC/24V AC/POE, Max. 14.4W	12V DC/24V AC/POE, Max. 14.4W	12V DC/24V AC/POE, Max. 14.4W
Artificial Intelligence			
Face Detection	Supported	Supported	Supported
Face Recognition	--	--	Supported
Video Structurization	Supported	Supported	Supported
Privacy Protection	Supported	Supported	Supported
ANPR	Supported	Supported	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting
General Intelligence			
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Ultra AI Series

Vari-Focal Bullet

Model	IPC-HFW7842H-Z	IPC-HFW7442H-Z	IPC-HFW7442H-ZFR	IPC-HFW7442H-Z4	IPC-HFW7442H-Z4FR
Appearance	 AI 4K Starlight	 AI Starlight+	 AI Starlight+	 AI Starlight+	 AI Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm ~12mm motorized lens	2.7mm ~12mm motorized lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	8mm ~32mm motorized lens
FOV-H	111°~47°	114°~47°	114°~47°	43°~15°	43°~15°
Min. Illumination	0.005 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.6 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.6 (Color, 1/3 s, 30IRE)
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	140dB	140 dB	140dB	140 dB
Max. IR Distance	50m (164.04 ft)	50 m (164.04 ft)	50 m (164.04 ft)	120 m (393.70 ft)	120 m (393.70 ft)
Video Compression	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
Max. Resolution	8M (3840 × 2160)	4M (2688 × 1520)	4MP(2688×1520)	4M (2688 × 1520)	4MP(2688×1520)
Frame Rate	25/30fps@8Mp	50/60fps@4Mp	50/60fps@4Mp	50/60fps@4Mp	50/60fps@4Mp
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF profile S&G,CGI,P2P	ONVIF profile S&G,CGI,P2P	ONVIF (Profile S/Profile G), CGI, P2P	ONVIF profile S&G,CGI,P2P	ONVIF (Profile S/Profile G), CGI, P2P
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)
Power	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	Supported	--	Supported
Video Structurization	Supported	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	--	Supported	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK CAMERAS

Ultra AI Series

Vari-Focal Dome

Model	IPC-HDBW7842H-Z	IPC-HDBW7442H-Z	IPC-HDBW7442H-ZFR	IPC-HDBW7442H-Z4	IPC-HDBW7442H-Z4FR
Appearance	 AI 4K Starlight	 AI Starlight+	 AI Starlight+	 AI Starlight+	 AI Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm ~12mm motorized lens	2.7mm ~12mm motorized lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	8mm ~32mm motorized lens
FOV-H	111°~47.94°	114°~47°	114°~47°	43°~15°	43°~15°
Min. Illumination	0.005 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.3 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.6 (Color, 1/3 s, 30IRE)	0.001 Lux@F1.6 (Color, 1/3 s, 30IRE)
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	140dB	140 dB	140dB	140 dB
Max. IR Distance	50m(164.04 ft)	50m(164.04 ft)	50 m (164.04 ft)	120 m (393.70 ft)	120 m (393.70 ft)
Video Compression	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
Max. Resolution	8M (3840 × 2160)	4M (2688 × 1520)	4MP(2688×1520)	4M (2688 × 1520)	4MP(2688×1520)
Frame Rate	25/30fps@8Mp	50/60fps@4Mp	50/60fps@4Mp	50/60fps@4Mp	50/60fps@4Mp
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF profile S&G,CGI,P2P	ONVIF profile S&G,CGI,P2P	ONVIF (Profile S/Profile G), CGI, P2P	ONVIF profile S&G,CGI,P2P	ONVIF (Profile S/Profile G), CGI, P2P
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)
Power	12V DC/24V AC/POE, Max. 16.7W	12V DC/24V AC/POE, Max. 16.7W	12V DC/24V AC/POE, Max. 16.7W	12V DC/24V AC/POE, Max. 16.7W	12V DC/24V AC/POE, Max. 16.7W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	Supported	--	Supported
Video Structurization	Supported	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	--	Supported	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting	Line crossing people counting Region people counting
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Ultra-Smart Series

The Ultra Series is an ideal option for surveillance professionals committed to employing the latest innovations and highest performance with the highest quality assurance in the surveillance industry. A Sony STARVIS sensor, superior Starlight technology, and advanced intelligent functions ensure top-grade monitoring in any scenario.

⊕ KEY FEATURES

High-Performance

Super-sensitive Sony STARVIS™ sensor for unparalleled performance

Superior Image

Starlight / Ultra 140dB WDR provides clear image under any light conditions




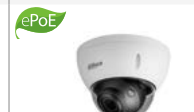

H.265

Advanced encoding saves up to 50% bandwidth and storage

Intelligent Functions

People Counting, heat map, and SSA to greatly increase efficiency

Ultra-Smart Series

	Box Camera		Vari-Focal Dome		Fixed Bullet
Model	IPC-HF81230E-E	IPC-HF8835F	IPC-HFW81230E-ZE	PC-HDBW81230E-ZE	IPC-HFW8241X-3D
Appearance	 ePoE 4K H.265+	 4K H.265+ Polarlight	 ePoE 4K H.265+	 ePoE 4K H.265+	 Starlight+
Image Sensor	1/1.7" 12MP STARVIS™ CMOS	4/3" 8MP CMOS	1/1.7" 12MP STARVIS™ CMOS	1/1.7" 12MP STARVIS™ CMOS	Two 1/2.8" 2MP STARVIS™ CMOS
Lens	CS	M43	4.1-16.4mm/F1.53 (4x Optical zoom)	4.1-16.4mm/F1.53 (4x Optical zoom)	2.8mm fixed lens (3.6mm, 6mm optional)
FOV-H	--	--	105°~35°	105°~35°	111°/86°/54°
Min. Illumination	0.005Lux/F1.2 (Color,1/3s,30IRE) 0.05Lux/F1.2 (Color,1/30s,30IRE) 0.003Lux/F1.2 (B/W,1/3s,30IRE) 0.03Lux/F1.2 (B/W,1/30s,30IRE)	0.0005Lux/F0.95 (Color,1/3s,30IRE) 0.003Lux/F0.95 (Color,1/30s,30IRE) 0.0003Lux/F0.95 (B/W,1/3s,30IRE) 0.002Lux/F0.95 (B/W,1/30s,30IRE)	0.01Lux/F1.53 (Color,1/3s,30IRE) 0.1Lux/F1.53 (Color,1/30s,30IRE) 0Lux/F1.53(IR on)	0.01Lux/F1.53 (Color,1/3s,30IRE) 0.1Lux/F1.53 (Color,1/30s,30IRE) 0Lux/F1.53(IR on)	0.003Lux/F1.4 (Color,1/3s,30IRE) 0.03Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	140dB	DWDR	DWDR	120dB
Max. IR Distance	--	--	50m(164ft)	50m(164ft)	40m(131ft)
Video Compression	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.264H/MJPEG
Max. Resolution	12MP(4000x3000)	4K(3840x2160)	12MP(4000x3000)	12MP(4000x3000)	1080P(1920x1080)
Frame Rate	20fps@12MP, 30fps@4K	30fps@4K	20fps@12MP, 30fps@4K	20fps@12MP, 30fps@4K	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan:0°~355°; Tilt:0°~64° Rotation:0°~355°
Intelligent Video	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection People Counting, Heat Map	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection People Counting, Heat Map	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection People Counting, Heat Map	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection People Counting, Heat Map	Fall detection Stay detection People approach People NO. error detection Violence detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF Profile G&S, API
Audio In/Out	1/1, Built-in Mic	2/1,Built-in Mic	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC/0.5A 50VAC	1 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC/0.5A 50VAC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC
Ingress Protection	--	--	IP67, IK10	IP67, IK10	IP67
Working Temperature	-30°C~+60°C(-22°F ~+140°F)	-30°C~+60°C(-22°F ~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F ~+140°F)
Power	DC12V/AC24V PoE (802.3af)(Class 0) Max. 8W	DC12V/AC24V PoE (802.3af)(Class 0) Max. 10.5W	DC12V PoE+(802.3at)(Class 4) Max. 13W	DC12V/AC24V PoE+(802.3at)(Class 4) Max. 18W	DC12V PoE(802.3at) Max. 8.77W

NETWORK CAMERAS

Panoramic Series

Panoramic Series

The panoramic series is designed for applications which require a 360° or 180° view for situational awareness. With its all-in-one design, the series is a perfect solution to replace multiple conventional cameras, reducing complexity and saving on installation and maintenance costs.

⊕ KEY FEATURES

Sensor Integration

Multiple image sensors on 1 IP address

Eyes All Around

4+1 / 8+1 sensors provide 180°/360° high definition panoramic image



Distortion-Free

Seamless splicing technology produces flawless stitched image

One Replaces Many







Replace multiple cameras, saving on installation & maintenance costs

Panoramic

Model	IPC-PSDW81642M-A360		IPC-PSDW8842M-A180	
Appearance				
Image Sensor	Panoramic Eight 1/1.9" 2MP CMOS	PTZ 1/1.79" 4MP CMOS	Panoramic Four 1/1.9" 2MP CMOS	PTZ 1/1.79" 4MP CMOS
Lens	5.0mm/F2.2	5.6~223mm/F1.4	5.0mm/F2.2	5.6~223mm/F1.4
FOV-H	360°		180°	
Min. Illumination	Manual 1/30 s (80 IRE) 0.08689Lux@F2.2 (Color) 0.07627Lux@ F2.2 (B/W) Manual 1/3s (80 IRE) 0.01352Lux@F2.2 (Color) 0.01256Lux@F2.2 (B/W)	Manual 1/12 s (100 IRE) 0.0008Lux@F1.35 (Color) 0.0047Lux@F1.35(B/W) 0Lux(IR on)	Manual 1/30 s (80 IRE) 0.08689Lux@F2.2 (Color) 0.07627Lux@ F2.2 (B/W) Manual 1/3s (80 IRE) 0.01352Lux@F2.2 (Color) 0.01256Lux@F2.2 (B/W)	Manual 1/12 s (100 IRE) 0.0008Lux@F1.35 (Color) 0.0047Lux@F1.35(B/W) 0Lux (IR on)
Max. IR Distance	--	400m(1312ft)	--	400m(1312ft)
Day/Night	ICR		ICR	
WDR	120dB		120dB	
Video Compression	H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG	
Resolution	(8192×1800)	4MP(2560×1440)	(4096×1800)	4MP(2560×1440)
Frame Rate	30fps@(8192×1800)	30fps@(2560×1440)	30fps@(4096×1800)	30fps@(2560×1440)
Multi-streaming	3 streams		3 streams	
Pan/Tilt/Rotation	--	Pan: 0°~360°; Tilt: -20°~90° Auto flip 180°	--	Pan: 0°~360°; Tilt: -20°~90° Auto flip 180°
Intelligent Video	Tripwire, Intrusion, Scene Change, Crowd Map		Tripwire, Intrusion, Scene Change, Crowd Map	
Dewarping Mode	--		--	
Compatibility	ONVIF profile S&G, API		ONVIF profile S&G, API	
Audio In/Out	2/2		2/2	
Memory Slot	Micro SD, Max. 512GB		Micro SD, Max. 512GB	
Alarm In/Out	7/3		7/3	
Ingress Protection	IP66		IP66	
Working Temperature	-40°C~+70°C (-40°F~+158°F)		-40°C~+70°C (-40°F~+158°F)	
Power	DC36V, Max84.4W		DC36V, Max77.7W	

Panoramic Series


Panoramic

Model	IPC-PSDW5231S-B120		IPC-PSDW5631S-B360		IPC-PF83230-A180
Appearance	 		 		 
	Panoramic	PTZ	Panoramic	PTZ	
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	Three 1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	Four 1/1.8" 8MP CMOS
Lens	2.0mm/F2.2	2.7mm~13.5mm/F1.8	2.0mm/F2.2	2.7mm~13.5mm/F1.8	4.5mm/F2.4
FOV-H	136°		136°		180°
Min. Illumination	0.03Lux/F2.2(Color,1/3s,30IRE) 0.2Lux/F2.2(Color,1/30s,30IRE) 0.03Lux/F2.2(B/W,1/3s,30IRE) 0.2Lux/F2.2(B/W,1/30s,30IRE)	0.02Lux/F1.8(Color,1/3s,30IRE) 0.1Lux/F1.8(Color,1/30s,30IRE) 0.02Lux/F1.8(B/W,1/3s,30IRE) 0.2Lux/F1.8(B/W,1/30s,30IRE)	0.03Lux/F2.2(Color,1/3s,30IRE) 0.2Lux/F2.2(Color,1/30s,30IRE) 0.03Lux/F2.2(B/W,1/3s,30IRE) 0.2Lux/F2.2(B/W,1/30s,30IRE)	0.02Lux/F1.8(Color,1/3s,30IRE) 0.1Lux/F1.8(Color,1/30s,30IRE) 0.02Lux/F1.8(B/W,1/3s,30IRE) 0.2Lux/F1.8(B/W,1/30s,30IRE)	0.009Lux/F2.4(Color,1/3s,30IRE) 0.05Lux/F2.4(Color,1/30s,30IRE) 0.005Lux/F2.4(B/W,1/3s,30IRE) 0.03Lux/F2.4(B/W,1/30s,30IRE)
Max. IR Distance	15m(49ft)		15m(49ft)		--
Day/Night	ICR		ICR		--
WDR	120dB		120dB		DWDR
Video Compression	H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264
Resolution	1080P(1920x1080)	1080P(1920x1080)	3x(1920x1080)	1080P(1920x1080)	8640x3840
Frame Rate	25fps@(4096x1800)	25fps@(4096x1800)	25fps@(4096x1800)	25fps@(4096x1800)	25fps@(8640x3840)
Multi-streaming	3 streams		3 streams		3 streams
Pan/Tilt/Rotation	--	Pan: 0° ~ 355° endless Tilt: 0° ~ 80°	--	Pan: 0° ~ 355° endless Tilt: 0° ~ 80°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~355°
Intelligent Video	Tripwire,Intrusion	Tripwire,Intrusion	Tripwire,Intrusion	Tripwire,Intrusion	--
Dewarping Mode	--		--		--
Compatibility	ONVIF Profile T, CGI		ONVIF Profile T, CGI		--
Audio In/Out	1/1		1/1		2/1
Memory Slot	Micro SD,Max. 256GB		Micro SD,Max. 256GB		Micro SD, Max. 128GB
Alarm In/Out	3/2		3/2		2/2
Ingress Protection	--		--		IP67, IK10
Working Temperature	-10° C ~ +50° C (14° F ~ +122° F)		-10° C ~ +50° C (14° F ~ +122° F)		-30°C~+60°C (-22°F~+140°F)
Power	DC12V, Max12.7W		DC12V, Max16.7W		DC36V, Max. 35W

NETWORK CAMERAS







Panoramic Series

Panoramic

Model	IPC-PFW8802-A180	IPC-PFW8800-A180	IPC-PFW8601-A180	IPC-PDBW8802-A180	IPC-PDBW8800-A180	IPC-PDB4830-B360
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+
Image Sensor	Four 1/1.8" 2MP Sony CMOS	Four 1/2.8" 2MP STARVIS™ CMOS	Three 1/2.8" 2MP STARVIS™ CMOS	Four 1/1.8" 2MP Sony CMOS	Four 1/2.8" 2MP STARVIS™ CMOS	Four 1/2.8" 2MP STARVIS™ CMOS
Lens	5.0mm/F2.2	3.0mm/F2.0	3.6mm/F1.8	5.0mm/F2.2	3.0mm/F2.0	2.8mm;3.6mm/F1.85
FOV-H	180°	180°	180°	180°	180°	99° / 87°
Min. Illumination	0.005Lux/F2.2(Color,1/3s,30IRE) 0.03Lux/F2.2(Color,1/30s,30IRE) 0Lux/F2.2(IR on)	0.007Lux/F2.0(Color,1/3s,30IRE) 0.05Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.007Lux/F1.8 (Color,1/3s,30IRE) 0.05Lux/F1.8(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.005Lux/F2.2(Color,1/3s,30IRE) 0.03Lux/F2.2(Color,1/30s,30IRE) 0Lux/F2.2(IR on)	0.007Lux/F2.0(Color,1/3s,30IRE) 0.05Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.006Lux/F1.85(Color,1/3s,30IRE) 0.05Lux/1.85(Color,1/30s,30IRE) 0Lux/F1.85(IR on)
Max. IR Distance	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	--
Day/Night	ICR	ICR	ICR	ICR	ICR	Electronic
WDR	120dB	DWDR	120dB	120dB	DWDR	DWDR
Video Compression	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
Resolution	4096x1800	4096x1800	4096x832	4096x1800	4096x1800	4x1080P(1920x1080)
Frame Rate	25fps@(4096x1800)	25fps@(4096x1800)	30fps@(4096x832)	25fps@(4096x1800)	25fps@(4096x1800)	25fps@1080P(1920x1080)
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	4x2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt:0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~±20°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~±20°	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~355°
Intelligent Video	Tripwire,Intrusion Scene Change Abandoned/Missing, Heat Map	Tripwire,Intrusion Scene Change Abandoned/Missing, Heat Map	Tripwire,Intrusion Scene Change Abandoned/Missing, Heat Map	Tripwire,Intrusion Scene Change Abandoned/Missing, Heat Map	Tripwire,Intrusion Scene Change Abandoned/Missing, Heat Map	Tripwire, Intrusion
Dewarping Mode	--	--	--	--	--	--
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF Profile S&G, API, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD,Max. 256GB
Alarm In/Out	2/2	2/2	2/1	2/2	2/2	1/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~-60°C (-40°F~+140°F)	-40°C~-60°C (-40°F~+140°F)	-40°C~-60°C (-40°F~+140°F)	-40°C~-60°C (-40°F~+140°F)	-40°C~-60°C (-40°F~+140°F)	-40°C~-60°C (-40°F~+140°F)
Power	DC12V PoE+ (802.3at)(Class 4) Max. 25.5W	AC12V PoE+ (802.3at)(Class 4) Max. 25.5W	AC24V PoE+ (802.3at)(Class 4) Max. 23W	AC12V PoE+ (802.3at)(Class 4) Max. 25.5W	AC24V PoE+ (802.3at)(Class 4) Max. 25.5W	DC12V PoE (802.3af)(Class 4) Max. 7.4W

Panoramic Series

Panoramic

Model	IPC-PDBW5831-B360	IPC-EBW81242	IPC-EBW8630	IPC-EBW8630-IVC	IPC-EB5531	IPC-EW5531-AS
Appearance	 H.265+ Starlight+	 AI 4K Starlight+	 H.265+ Starlight+	 H.265+ Starlight+ B4QQV	 H.265+	 H.265+
Image Sensor	Four 1/2.8" 2MP STARVIS™ CMOS	1/1.7" 12MP CMOS	1/1.8" 6MP STARVIS™ CMOS	1/1.8" 6MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Lens	2.7~12mm/F1.4	1.85mm/F2.0	1.7mm/F2.0	1.3mm/F2.8	1.4mm/F1.6	1.4mm/F2.0
FOV-H	4*(105°~44°)	185°	180°	180°	180°	180°
Min. Illumination	0.005Lux/F1.8(Color,1/3s,30IRE) 0.06Lux/1.8(Color,1/30s,30IRE) 0Lux/F1.8(IR on)	0.001Lux/F2.8(Color,1/3s,30IRE) 0.01Lux/F2.8(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.002Lux/F2.0(Color,1/3s,30IRE) 0.02Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.005Lux/F2.8(Color,1/3s,30IRE) 0.05Lux/F2.8(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.02Lux/F1.6(Color,1/3s,30IRE) 0.2Lux/F1.6(Color,1/30s,30IRE) 0.05Lux/F1.6(B/W,1/3s,30IRE) 0.5Lux/F1.6(B/W,1/30s,30IRE)	0.006Lux/F2.0(Color,1/3s,30IRE) 0.02Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
Max. IR Distance	30m(98ft)	10m(33ft)	10m(33ft)	10m(33ft)	--	--
Day/Night	ICR	ICR	ICR	ICR	Electronic	ICR
WDR	120dB(1 channel)	DWDR	DWDR	DWDR	120dB	120dB
Video Compression	H.265+/H.265 H.264+/H.264	H.265/H.264/H.264B H.264H/MJPEG	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
Resolution	4x1080P(1920x1080)	12M(4000x3000)	6MP(3072x2048)	6MP(3072x2048)	5MP(2592x1944)	5MP(2592x1944)
Frame Rate	30fps@1080P(1920x1080)	30fps@12MP (4000x3000)	30fps@6MP	30fps@6MP	20fps@5MP, 30fps@3MP	25fps@5M
Multi-streaming	4x2 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~355°	--	--	--	--	--
Intelligent Video	Tripwire,Intrusion,Scene Change Abandoned/Missing	Tripwire, Intrusion Heat map	Tripwire, Intrusion Heat map	Tripwire, Intrusion Heat map	Tripwire, Intrusion Heat map	Tripwire, Intrusion Heat map
Dewarping Mode	--	1O;2P;1R;1P+3R;2R;1O+2R;1O+3R;4 R;1O+4R;1P+6R;1O+8R	1O; 1P+3R; 2R 1O+2R; 1O+3R; 4R 1O+4R; 1P+6R; 1O+8R	1O; 1P+3R; 2R 1O+2R; 1O+3R; 4R 1O+4R; 1P+6R; 1O+8R	1O; 1P+3R; 2R 1O+2R; 1O+3R; 4R 1O+4R; 1P+6R; 1O+8R	1O; 1P+3R; 2R 1O+2R; 1O+3R; 4R 1O+4R; 1P+6R; 1O+8R
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF, CGI, API
Audio In/Out	1/1	1/1,Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	Built-in Mic	1/1,Built-in Mic
Memory Slot	Micro SD, Max. 128GB	Micro SD,Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	1/1	2/2	2/2	2/2	--	--
Ingress Protection	IP67, IK10	IP67,IK10	IP67, IK10	IP67, IK10	IP67,IK08	--
Working Temperature	30°C~+60°C(-40°F ~ +140°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-10° C ~ +50° C (14° F ~ +122° F)
Power	AC24V PoE+ (802.3at)(Class 4) Max. 25.5W	DC12V, PoE (802.3af)(Class 4), Max. 12.9W	DC12V PoE (802.3af)(Class 0) Max. 12W	DC12V PoE (802.3af)(Class 0) Max. 12W	DC12V PoE (802.3af)(Class 0) Max. 3.4W	DC12V PoE (802.3af)(Class 0) Max. 10.1W

NETWORK CAMERAS

Pinhole Series

Pinhole Series

The pinhole series is ideal for ATMs, banks, stores, hotels and offices. It features a modular design with an independent main unit and a miniature sensor unit (with an 8m cable). The series offers the choice of a cylindrical pinhole lens or cylindrical standard lens, which can both be easily installed in any indoor environment.

⊕ KEY FEATURES

Easy Installation

Modular design, 8m cable for covert installation

Optimized Image

True WDR enables clear facial image for accurate identification

Highly Flexible

Multiple sensor shapes allow flexible applications

Pinhole Camera

Model	IPC-HUM8431-E1	IPC-HUM8431-L1	IPC-HUM8431-L3	IPC-HUM8431-L4	IPC-HUM8431-L5
Appearance	 H.265+	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	--	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Lens	--	2.8mm/F2.4	2.8mm/F1.8	2.8mm/F2.4	2.8mm/F2.2
FOV-H	--	H:83.4°	H:109°	H:83°	H:104°
Min. Illumination	--	0.02Lux/F2.4 (Color,1/3s,30IRE) 0.08Lux/F2.4 (Color,1/30s,30IRE) 0.01Lux/F2.4 (B/W,1/3s,30IRE) 0.04Lux/F2.4 (B/W,1/30s,30IRE)	0.006Lux/F1.8 (Color,1/3s,30IRE) 0.04Lux/F1.8 (Color,1/30s,30IRE) 0.003Lux/F1.8 (B/W,1/3s,30IRE) 0.02Lux/F1.8 (B/W,1/30s,30IRE)	0.007Lux/F2.4 (Color,1/3s,30IRE) 0.08Lux/F2.4 (Color,1/30s,30IRE) 0.004Lux/F2.4 (B/W,1/3s,30IRE) 0.04Lux/F2.4 (B/W,1/30s,30IRE)	0.005Lux/F2.2 (Color,1/3s,30IRE) 0.05Lux/F2.4 (Color,1/30s,30IRE) 0.003Lux/F2.4 (B/W,1/3s,30IRE) 0.03Lux/F2.4 (B/W,1/30s,30IRE)
Day/Night	Electronic	--	--	--	--
WDR	120dB	--	--	--	--
Max. IR Distance	--	--	--	--	--
Video Compression	H.265+/H.265 H.264+/H.264	--	--	--	--
Max. Resolution	4MP(2688×1520)	--	--	--	--
Frame Rate	30fps@4MP	--	--	--	--
Multi-streaming	3 streams	--	--	--	--
Pan/Tilt/Rotation	--	--	--	--	--
Intelligent Video	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	--	--	--	--
Compatibility	ONVIF profile S&G, API	--	--	--	--
Audio In/Out	1/1	--	--	--	--
Memory Slot	Micro SD, Max. 128GB	--	--	--	--
Alarm In/Out	2/2	--	--	--	--
Ingress Protection	--	--	--	--	--
Working Temperature	-30°C~+60°C(-22°F~+140°F)	--	--	--	--
Power	DC12V, PoE (802.3af) (Class 0),Max. 6W	--	--	--	--

NETWORK CAMERAS

Pinhole Series

Pinhole Camera

Model	IPC-HUM8231-E2	IPC-HUM8231-E1	IPC-HUM8231-L1	IPC-HUM8231-L3	IPC-HUM8231-L4	IPC-HUM8231-L5	IPC-HUM4231
Appearance		 H.265+					 Starlight
Image Sensor	--	--	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 2MP CMOS
Lens	--	--	2.8mm/F2.4	2.8mm/F1.8	2.8mm/F2.4	2.8mm/F2.1	2.8mm/F2.4
FOV-H	--	--	H:104°	H:112°	H:103°	H:111°	H:105°
Min. Illumination	--	--	0.02Lux/F2.4 (Color,1/3s,30IRE) 0.08Lux/F2.4 (Color,1/30s,30IRE) 0.01Lux/F2.4 (B/W,1/3s,30IRE) 0.04Lux/F2.4 (B/W,1/30s,30IRE)	0.02Lux/F1.8 (Color,1/3s,30IRE) 0.08Lux/F1.8 (Color,1/30s,30IRE) 0.01Lux/F1.8 (B/W,1/3s,30IRE) 0.04Lux/F1.8 (B/W,1/30s,30IRE)	0.02Lux/F2.4 (Color,1/3s,30IRE) 0.08Lux/F2.4 (Color,1/30s,30IRE) 0.01Lux/F2.4 (B/W,1/3s,30IRE) 0.04Lux/F2.4 (B/W,1/30s,30IRE)	0.02Lux/F2.1 (Color,1/3s,30IRE) 0.1Lux/F2.1 (Color,1/30s,30IRE) 0.01Lux/F2.1 (B/W,1/3s,30IRE) 0.05Lux/F2.1 (B/W,1/30s,30IRE)	0.007Lux/F2.4 (Color,1/3s,30IRE) 0.08Lux/F2.4 (Color,1/30s,30IRE) 0.004Lux/F2.4 (B/W,1/3s,30IRE) 0.04Lux/F2.4 (B/W,1/30s,30IRE)
Day/Night	Electronic	Electronic	--	--	--	--	Electronic
WDR	120dB	120dB	--	--	--	--	120dB
Max. IR Distance	--	--	--	--	--	--	--
Video Compression	H.265/H.264	H.265+/H.265 H.264+/H.264	--	--	--	--	H.265+/H.265 H.264+/H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	--	--	--	--	1080P(1920×1080)
Frame Rate	2×30fps@1080P	60fps@1080P	--	--	--	--	30fps@1080P
Multi-streaming	2×2 streams	3 streams	--	--	--	--	3 streams
Pan/Tilt/Rotation	--	--	--	--	--	--	--
Intelligent Video	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	--	--	--	--	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	--	--	--	--	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	--	--	--	--	1/1
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	--	--	--	--	--
Alarm In/Out	2/2	2/2	--	--	--	--	--
Ingress Protection	--	--	--	--	--	--	--
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	--	--	--	--	-30°C~+60°C(-22°F~+140°F)
Power	DC12V, PoE (802.3af) (Class 0), Max.7W	DC12V, PoE (802.3af) (Class 0), Max. 6W	--	--	--	--	DC12V Max. 1.5W

Eco-Savvy 3.0 ePoE Series (Pro Series)

The Eco-Savvy 3.0 is the perfect choice for users who require a great balance of innovation and quality with cost. With ePoE technology for long-range transmission, a wide-range of models, and easy plug & play installation, the Eco-Savvy 3.0 series can meet the needs of diverse applications with challenging conditions.

⊕ KEY FEATURES

Extended PoE

Up to 800m transmission distance @10Mbps & 13W or 300m @100Mbps & 25.4W

Carefree Installation

Automatic setup with plug & play makes installation easy





Wide Selection

Rich selection of IP cameras, NVRs, and network switches


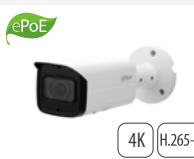




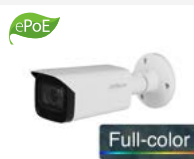
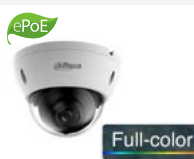
Easy Analog to IP

Migrate analog system to IP with Ethernet-to-coax converter and PoC

Eco-Savvy 3.0 ePoE Series (Pro Series)

	Vari-Focal Bullet		Vari-Focal Dome	
Model	IPC-HFW5831E-ZE/Z5E	IPC-HDBW5831E-ZE/Z5E	IPC-HDBW5831R-ZE	IPC-HDW5831R-ZE
Appearance	 ePoE 4K H.265+	 ePoE 4K H.265+	 ePoE 4K H.265+	 ePoE 4K H.265+
Image Sensor	1/2.5" 8MP STARVIS™ CMOS	1/2.5" 8MP STARVIS™ CMOS	1/2.5" 8MP STARVIS™ CMOS	1/2.5" 8MP CMOS
Lens	2.7~12mm/F1.4, Motorized 7~35mm/F1.4, Motorized(Z5)	2.7~12mm/F1.4, Motorized 7~35mm/F1.4, Motorized(Z5E)	2.7mm~12mm motorized lens	2.7~12mm/F1.8, Motorized
FOV-H	110°~40° 38°~14°(Z5E)	110°~40° 38°~14°(Z5E)	110°~40°	110°~40°
Min. Illumination	0.05Lux/F1.4(Color,1/3s,30IRE) 0.2Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.05Lux/F1.4(Color,1/3s,30IRE) 0.2Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.05Lux/F1.4 (Color,1/3s,30IRE) 0.2Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.05Lux/F1.8 (Color,1/3s,30IRE) 0.2Lux/F1.8 (Color,1/30s,30IRE) 0Lux/F1.8(IR on)
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	50m(164ft) 100m(328ft)(Z5E)	50m(164ft) 100m(328ft)(Z5E)	50m (164ft)	50m(164ft)
Video Compression	H.265+/H.265/H.264+/H.264H	H.265+/H.265/H.264+/H.264H	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264H
Max. Resolution	4K(3840x2160)	4K(3840x2160)	4K(3840x2160)	4K(3840x2160)
Frame Rate	15fps@4K, 30fps@3MP	15fps@4K, 30fps@3MP	15fps@4K,30fps@3M	15fps@4K, 30fps@3MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	Built-in Mic
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	2(5V 5mA)/1(12V 300mA)	1(5V 5mA)/1(12V 300mA)	1(5V 5mA)/1(12V 300mA)	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 0) Max. 12.95W	DC12V/AC24V PoE+(802.3at)(Class 4) Max. 15W	DC12V,PoE(802.3af)(Class 0) Max. 8.5W	DC12V,PoE(802.3af)(Class 0) Max. 8.5W

Eco-Savvy 3.0 ePoE Series (Pro Series)

	Fixed Mini-Bullet		Fixed Mini-Dome	Wedge Dome		Fixed Eyeball		
Model	IPC-HFW4831E-SE	IPC-HFW4831T-ASE	IPC-HDBW4831E-ASE	IPC-HDBW4431F-AS	IPC-HDBW4231F-AS	IPC-HDW4831EM-ASE	IPC-HFW4239T-ASE	IPC-HDBW4239R-ASE
Appearance								
Image Sensor	1/2.5" 8MP STARVIS™ CMOS	1/2.5" 8MP STARVIS™ CMOS	1/2.5" 8MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.5" 8MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.8mm/F1.6 4mm/F1.6	2.8mm/F1.6 4mm/F1.6	2.8mm/F2.5 4mm/F2.2	2.8mm/F2.0, 3.6mm/F2.0 6mm/F2.0	2.8mm/F2.0, 3.6mm/F2.0 6mm/F2.0	2.8mm/F2.5 4mm/F2.2	3.6mm/F1.0 6mm/F1.0	3.6mm/F1.0 6mm/F1.0
FOV-H	112°/88°	112°/88°	122°/88°	104°/87°/55°	110°/87°/51°	112°/88°	87°/47°	87°/47°
Min. Illumination	0.06Lux/F1.6 (Color,1/3s,30IRE) 0.3Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)	0.06Lux/F1.6 (Color,1/3s,30IRE) 0.3Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)	0.03Lux/F2.5 (Color,1/3s,30IRE) 0.3Lux/F2.5 (Color,1/30s,30IRE) 0Lux/F2.5(IR on)	0.08Lux/F2.0 (Color,1/3s,30IRE) 0.3Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.009Lux/F2.0 (Color,1/3s,30IRE) 0.07Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.03Lux/F2.5 (Color,1/3s,30IRE) 0.3Lux/F2.5 (Color,1/30s,30IRE) 0Lux/F2.5(IR on)	0.001Lux/F1.0 (Color,1/3s,30IRE) 0.006Lux/F1.0 (Color,1/30s,30IRE)	0.001ux/F1.0 (Color,1/3s,30IRE) 0.006Lux/F1.0 (Color,1/30s,30IRE)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m(131.2ft)	80m(262ft)	30m(98ft)	20m(66ft)	20m(66ft)	50m(164ft)	--	--
Video Compression	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H
Max. Resolution	4K(3840x2160)	4K(3840x2160)	4K(3840x2160)	4MP(2688x1520)	1080P(1920x1080)	4K(3840x2160)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	15fps@4K, 30fps@3MP	15fps@4K, 30fps@3MP	15fps@4K, 30fps@3MP	30fps@4MP	60fps@1080P	15fps@4K,30fps@3MP	25/30fps@1080P	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~64° Rotation: 0°~355°	Pan: 0°~60°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~60°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~80° Rotation:0°~360°
Intelligent Video	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection	Tripwire, Intrusion Scene Change Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G,API
Audio In/Out	--	1/1	1/1	Built-in Mic	Built-in Mic	Built-in Mic	1/1	1/1
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	--	1(5V 5mA)/1(12V 300mA)	1(5V 5mA)/1(12V 300mA)	--	--	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67	IP67,IK10	IP67,IK10
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 0) Max. 6.5W	DC12V PoE (802.3af)(Class 0) Max. 11W	DC12V PoE (802.3af)(Class 0) Max. 5.5W	DC12V PoE (802.3af)(Class 0) Max. 4.5W	DC12V PoE (802.3af)(Class 0) Max. 4.5W	DC12V PoE (802.3af)(Class 0) Max 6W	DC12V PoE (802.3af) Max 4W	DC12V PoE (802.3af) Max 4W

NETWORK CAMERAS

Eco-savvy 4.0 AI Series (Pro AI Series)

Eco-savvy 4.0 AI Series (Pro AI Series)

Pro AI series contains Face Capture, Perimeter Protection, People Counting and face metadata functions. Powered by deep-learning Artificial Intelligence algorithms, It significantly improved accuracy. Meanwhile, the series features starlight and smart IR technology.

⊕ KEY FEATURES

Face Capture

Captures high quality faces from video

Perimeter Protection

Significantly improves accuracy, reduces false alarms


People Counting

Provides statistics for separate line or area with up to 95% counting accuracy

Face Metadata







Extracts six facial attributes and output the metadata for retrieval and analysis

Box Camera

Model	IPC-HF5541E-E	IPC-HF5442E-E	IPC-HF5241E-E
Appearance			
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	C/CS	C/CS	C/CS
FOV-H	--	--	--
Min. Illumination	0.009 Lux@F1.7	0.008 Lux@F1.5	0.002 Lux@F1.7
Day/Night	ICR	ICR	ICR
WDR	120dB	140dB	120dB
Max. IR Distance	--	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	5Mp(2592x1944)	4Mp(2688x1520)	1080P(1920x1080)
Frame Rate	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	--
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC
Ingress Protection	--	--	--
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V/AC24V, PoE (802.3af), Max. 9.2W	DC12V/AC24V, PoE (802.3af), Max. 9.2W	DC12V/AC24V, PoE (802.3af), Max. 9.5W
Artificial Intelligence			
Face Capture	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender,Expression, Glasses,Mouth Mask, Moustache & Beard		
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence			
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Eco-savvy 4.0 AI Series (Pro AI Series)

Vari-Focal Bullet

Model	IPC-HFW5541E-ZE	IPC-HFW5541E-Z5E	IPC-HFW5442E-ZE/ZHE	IPC-HFW5241E-ZE/ZHE	IPC-HFW5241E-Z5E	IPC-HFW5241E-Z12E
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens(Z5)	5mm ~60mm motorized lens(Z12)
FOV-H	100°~28°(2592×1944) 104°~29°(2688×1520)	31°~9°(2592×1944) 32°~9°(2688×1520)	114°~47°	109°~30°	33°~10°	58°~4°
Min. Illumination	0.015 Lux@F1.5	0.015 Lux@F1.3	0.002 Lux@F1.8	0.002 Lux@F1.5	0.007 Lux@F1.3	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	120dB	120dB	120dB
Max. IR Distance	50m (164ft)	120 m (394 ft)	50m (164ft)	50m (164ft)	120 m (394 ft)	150 m (492 ft)
Video Compression	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
Max. Resolution	5Mp(2592×1944)	5Mp(2592×1944)	4Mp(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F) (-ZE) -40°C~+60°C(-40°F ~ +140°F)(-ZHE)	-30°C~+60°C(-22°F ~ +140°F) (-ZE) -40°C~+60°C(-40°F ~ +140°F)(-ZHE)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af), Max. 10.9W	DC12V, PoE (802.3af), Max. 10.9W	DC12V, PoE (802.3af),Max. 10.9W(-ZE) DC12V, PoE+ (802.3at),Max. 15.2W(-ZHE)	DC12V, PoE (802.3af),Max. 10.3W(-ZE) DC12V, PoE+(802.3at),Max. 14.6W(-ZHE)	DC12V, PoE (802.3af), Max. 10.3W	DC12V, PoE (802.3af), Max. 10.3W
Artificial Intelligence						
Face Capture	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence						
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing







NETWORK CAMERAS

Eco-savvy 4.0 AI Series (Pro AI Series)

Vari-Focal Dome

Model	IPC-HDBW5541E-ZE	IPC-HDBW5541E-Z5E	IPC-HDBW5442E-ZE/ZHE	IPC-HDBW5241E-ZE/ZHE	IPC-HDBW5241E-Z5E
Appearance					
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens
FOV-H	100°~28°(2592x1944) 104°~29°(2688x1520)	31°~9°(2592x1944) 32°~9°(2688x1520)	114°~47°	109°~30°	33°~10°
Min. Illumination	0.015 Lux@F1.5	0.015 Lux@F1.3	0.002 Lux@F1.8	0.002 Lux@F1.5	0.007 Lux@F1.3
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	120dB	120dB
Max. IR Distance	40m (131ft)	80 m (262 ft)	40 m (131 ft)	40m (131ft)	80 m (262 ft)
Video Compression	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
Max. Resolution	5Mp(2592x1944)	5Mp(2592x1944)	4Mp(2688x1520)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°
Compatibility	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F) (-ZE) -40°C~+60°C(-40°F ~ +140°F) (-ZHE)	-30°C~+60°C(-22°F ~ +140°F)(-ZE) -40°C~+60°C(-40°F ~ +140°F)(-ZHE)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V/AC24V, PoE (802.3af) Max. 12.4W	DC12V/AC24V, PoE (802.3af) Max. 12.4W	DC12V/AC24V, PoE (802.3af), Max. 12.4W(-ZE) DC12V/AC24V, PoE+ (802.3at), Max. 18.7W(-ZHE)	DC12V/AC24V, PoE (802.3af), Max. 11.8W(-ZE) DC12V/AC24V, PoE+ (802.3at), Max. 18W(-ZHE)	DC12V/AC24V, PoE (802.3af) Max. 11.8W
Artificial Intelligence					
Face Capture	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Eco-savvy 4.0 AI Series (Pro AI Series)

	Vari-Focal Dome			Fixed Mini-Bullet		
Model	IPC-HDPW5541G-Z	IPC-HDPW5442G-Z	IPC-HDPW5241G-Z	IPC-HFW5541E-S	IPC-HFW5442E-S	IPC-HFW5241E-S
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.7mm~13.5mm motorized lens	2.7mm~12mm motorized lens	2.7mm~13.5mm motorized lens	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	100°~28°(2592×1944) 104°~29°(2688×1520)	114°~47°	109°~30°	102°/84°/51°	113°/89°/56°	106°/87°/53°
Min. Illumination	0.015 Lux@F1.5	0.002 Lux@F1.8	0.002 Lux@F1.5	0.005 Lux@F1.6	0.001 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	140dB	120dB	120dB	140dB	120dB
Max. IR Distance	40m (131ft)	40 m (131 ft)	40m (131ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)
Video Compression	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
Max. Resolution	5Mp(2592×1944)	4Mp(2688×1520)	1080P(1920×1080)	5Mp(2592×1944)	4Mp(2688×1520)	1080P(1920×1080)
Frame Rate	20fps@5MP	25/30fps@4MP	25/30fps@1080P	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI
Audio In/Out	1/1	1/1	1/1	--	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	--	--
Ingress Protection	--	--	--	IP67	IP67	IP67
Working Temperature	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 10.6W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 6.8W
Artificial Intelligence						
Face Capture	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender Expression, Glasses, Mouth Mask Moustache & Beard
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence						
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK CAMERAS

Eco-savvy 4.0 AI Series (Pro AI Series)

Fixed Mini-Bullet

Model	IPC-HFW5541T-AS-PV	IPC-HFW5241T-AS-PV	IPC-HFW5541T-S	IPC-HFW5541T-ASE	IPC-HFW5442T-S
Appearance					
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS
Lens	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm, 12mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm, 12mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	102°/84°/51°/38°	106°/87°/53°/41°	102°/84°/51°/38°/25°	102°/84°/51°/38°/25°	113°/89°/56°
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6	0.005 Lux@F1.6	0.001 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	140dB
Max. IR Distance	60 m (197 ft)	60 m (197 ft)	80 m (262 ft)	80 m (262 ft)	50 m (164 ft)
Video Compression	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
Max. Resolution	5Mp(2592×1944)	1080P(1920×1080)	5Mp(2592×1944)	5Mp(2592×1944)	4Mp(2688×1520)
Frame Rate	20fps@5Mp	25/30fps@1080P	20fps@5Mp	20fps@5Mp	25/30fps@4Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI
Audio In/Out	1/1, Built-in Speaker	1/1, Built-in Speaker	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af), Max. 8.5W	DC12V, PoE (802.3af), Max. 8.3W	DC12V, PoE (802.3af), Max. 8.4W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.4W
Artificial Intelligence					
Face Capture	--	--	Supported	Supported	Supported
Face Attributes	--	--	--	--	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Eco-savvy 4.0 AI Series (Pro AI Series)







Fixed Mini-Bullet

Model	IPC-HFW5442T-ASE	IPC-HFW5241T-S	IPC-HFW5241T-ASE	IPC-HFW5442T-AS-LED	IPC-HFW5241T-AS-LED
Appearance					
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm, 12mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm, 12mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)
FOV-H	113°/89°/56°	106°/87°/53°/41°/26°	106°/87°/53°/41°/26°	113°/89°/56°	106°/87°/53°/41°
Min. Illumination	0.001 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.001 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	Electronic	Electronic
WDR	140dB	120dB	120dB	140dB	120dB
Max. IR Distance	50 m (164 ft)	80 m (262 ft)	80 m (262 ft)	20 m (66 ft)	25 m (82 ft)
Video Compression	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
Max. Resolution	4Mp(2688x1520)	1080P(1920x1080)	1080P(1920x1080)	4Mp(2688x1520)	1080P(1920x1080)
Frame Rate	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	25/30fps@4Mp	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°
Compatibility	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI	ONVIF profile S&G, CGI
Audio In/Out	1/1	--	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af) Max. 9.5W	DC12V, PoE (802.3af) Max. 8.3W	DC12V, PoE (802.3af) Max. 8.7W	DC12V, PoE (802.3af) Max. 7.4W	DC12V, PoE (802.3af) Max. 7W
Artificial Intelligence					
Face Capture	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK CAMERAS





Eco-savvy 4.0 AI Series (Pro AI Series)

Fixed Dome

Model	IPC-HDBW5541R-S	IPC-HDBW5541R-ASE	IPC-HDBW5442R-S	IPC-HDBW5442R-ASE	IPC-HDBW5241R-S	IPC-HDBW5241R-ASE
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	102°/84°/51°	102°/84°/51°	113°/89°/56°	113°/89°/56°	106°/87°/53°	106°/87°/53°
Min. Illumination	0.005 Lux@F1.6	0.005 Lux@F1.6	0.001 Lux@F1.6	0.001 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	140dB	120dB	120dB
Max. IR Distance	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)
Video Compression	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
Max. Resolution	5Mp(2592x1944)	5Mp(2592x1944)	4Mp(2688x1520)	4Mp(2688x1520)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75° Rotation:0°~355°
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI
Audio In/Out	--	1/1	--	1/1	--	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af) Max. 5.2W	DC12V, PoE (802.3af) Max. 6W	DC12V, PoE (802.3af) Max. 5.8W	DC12V, PoE (802.3af) Max. 6.1W	DC12V, PoE (802.3af) Max. 5W	DC12V, PoE (802.3af) Max. 5.5W
Artificial Intelligence						
Face Capture	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	--	--
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence						
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

Eco-savvy 4.0 AI Series (Pro AI Series)

Fixed Eyeball

Model	IPC-HDW5541H-AS-PV	IPC-HDW5241H-AS-PV	IPC-HDW5541TM-AS	IPC-HDW5442TM-AS	IPC-HDW5442TM-AS-LED	IPC-HDW5241TM-AS	IPC-HDW5241TM-AS-LED	
Appearance								
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	
Lens	2.8mm fixed lens (3.6mm, 6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)	
FOV-H	102°/84°/51°	106°/87°/53°	102°/84°/51°	113°/89°/56°	113°/89°/56°	106°/87°/53°	106°/87°/53°	
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6	0.001 Lux@F1.6	0.001 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	
Day/Night	ICR	ICR	ICR	ICR	Electronic	ICR	Electronic	
WDR	120dB	120dB	120dB	140dB	140dB	120dB	120dB	
Max. IR Distance	50 m (164ft)	50 m (164 ft)	50 m (164 ft)	50 m (164 ft)	20 m (66 ft)	50 m (164 ft)	20 m (66 ft)	
Video Compression	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	H.265+/H.265/H.264+/H.264	
Max. Resolution	5Mp(2592x1944)	1080P(1920x1080)	5Mp(2592x1944)	4Mp(2688x1520)	4Mp(2688x1520)	1080P(1920x1080)	1080P(1920x1080)	
Frame Rate	20fps@5Mp	25/30fps@1080P	20fps@5Mp	25/30fps@4Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	
Compatibility	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	ONVIF profile S&G,CGI	
Audio In/Out	1/1, Built-in MIC,Built-in Speaker	1/1, Built-in MIC,Built-in Speaker	Built-in MIC, Built-in Speaker	Built-in MIC, Built-in Speaker	Built-in MIC	Built-in MIC, Built-in Speaker	Built-in MIC	
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	--	--	--	--	
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	
Power	DC12V, PoE (802.3af) Max. 7.2W	DC12V, PoE (802.3af) Max. 7W	DC12V, PoE (802.3af) Max. 7.2W	DC12V, PoE (802.3af) Max. 7.2W	DC12V, PoE (802.3af) Max. 7.2W	DC12V, PoE (802.3af) Max. 6.8W	DC12V, PoE (802.3af) Max. 7.2W	
Artificial Intelligence								
Face Capture	--	--	Supported	Supported	Supported	Supported	Supported	
Face Attributes	--	--	--	--	--	--	--	
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion(Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	
People Counting	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection	Support Line crossing/Region/ Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence								
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	

NETWORK CAMERAS

Lite 2.0 Series

Lite 2.0 Series

The Lite Series is suitable for users who want quality but have tight budget constraints. Superior cost/performance, easy installation, and Dahua quality standards and assurance make it a good choice for residential and small-medium business applications.

⊕ KEY FEATURES

H.265+

Advanced encoding saves up to 70% bandwidth and storage

Easy & Reliable

Simple setup and high quality cameras for stable surveillance

Cost-Effective









Performance and quality are combined at an affordable price

Vari-Focal Bullet

Model	IPC-HFW2831T-ZS	IPC-HFW2531T-ZS/VFS	IPC-HFW2431T-ZS/VFS	IPC-HFW2231T-ZS/VFS
Appearance	 H.265+ Starlight+	 H.265+	 H.265+	 H.265+ Starlight
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	3.7~11mm/F1.9	2.7~13.5mm/F1.4 Manual(-VFS) Motorized(-ZS)	2.7~13.5mm/F1.4 Manual(-VFS) Motorized(-ZS)	2.7~13.5mm/F1.4 Manual(-VFS) Motorized(-ZS)
FOV-H	112°~46°	95°~27°	104°~28°	106°~29°
Min. Illumination	0.004Lux/F1.9(Color,1/3s,30IRE) 0.09Lux/F1.9 (Color,1/30s,30IRE) 0Lux/F1.9(IR on)	0.02Lux/F1.4(Color,1/3s,30IRE) 0.2Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.006Lux/F1.4(Color,1/3s,30IRE) 0.05Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	60m(197ft)	60m(197ft)	60m(197ft)	60m(197ft)
Video Compression	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H
Max. Resolution	8M(3840x2160)	5MP(2592x1944)	4MP(2688x1520)	1080P(1920x1080)
Frame Rate	30fps@8MP	15fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	--	--	--	--
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 4) Max. 14.3W	DC12V PoE+ (802.3at)(Class 4) Max. 15W(-ZS),13W(-VFS)	DC12V PoE+ (802.3at)(Class 4) Max. 14W(-ZS),12W(-VFS)	DC12V PoE+ (802.3at)(Class 4) Max. 14W(-ZS),12W(-VFS)





Lite 2.0 Series

Vari-Focal Dome







Model	IPC-HDBW2831R-ZS	IPC-HDBW2531R-ZS/VFS	IPC-HDBW2431R-ZS/VFS	IPC-HDBW2231R-ZS/VFS
Appearance	 	 	 	 
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	3.7~11mm/F1.9	2.7~13.5mm/F1.4 Manual(-VFS), Motorized(-ZS)	2.7~13.5mm/F1.4 Manual(-VFS), Motorized(-ZS)	2.7~13.5mm/F1.4 Manual(-VFS), Motorized(-ZS)
FOV-H	112°~46°	95°~27°	104°~28°	106°~29°
Min. Illumination	0.004Lux/F1.9(Color,1/3s,30IRE) 0.09Lux/F1.9 (Color,1/30s,30IRE) 0Lux/F1.9(IR on)	0.02Lux/F1.4(Color,1/3s,30IRE) 0.2Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	0.006Lux/F1.4(Color,1/3s,30IRE) 0.05Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)
Video Compression	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H
Max. Resolution	8M(3840×2160)	5MP(2592×1944)	4MP(2688×1520)	1080P(1920×1080)
Frame Rate	30fps@8MP	15fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360° Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~80° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	--	--	--	--
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	--	--	--	--
Ingress Protection	IP67	IP67,IK10	IP67,IK10	IP67,IK10
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 0) Max. 10.9W	DC12V PoE (802.3af)(Class 0) Max. 9.5W(-ZS), 7.5W(-VFS)	DC12V PoE (802.3af)(Class 0) Max. 9W(-ZS), 7W(-VFS)	DC12V PoE (802.3af)(Class 0) Max. 9W(-ZS), 7W(-VFS)

NETWORK CAMERAS

Lite 2.0 Series

	Vari-Focal Eyeball			Fixed Mini-Bullet		
Model	IPC-HDW2531R-ZS	IPC-HDW2431R-ZS	IPC-HDW2231R-ZS	IPC-HFW1531S	IPC-HFW1431S	IPC-HFW1230S
Appearance	 H.265+	 H.265+	 H.265+ Starlight	 H.265+	 H.265+	 H.265+
Image Sensor	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS
Lens	2.7~13.5mm/F1.6 Motorized(-ZS)	2.7~13.5mm/F1.6 Motorized(-ZS)	2.7~13.5mm/F1.6 Motorized(-ZS)	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0
FOV-H	85°~27°	104°~28°	106°~29°	96°/78°	104°/87°	110°/92°
Min. Illumination	0.02Lux/F1.6 (Color,1/3s,30IRE) 0.2Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)	0.03Lux/F1.6 (Color,1/3s,30IRE) 0.3Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)	0.006Lux/F1.6 (Color,1/3s,30IRE) 0.05Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)	0.03Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	DWDR
Max. IR Distance	50m(164ft)	50m(164ft)	50m(164ft)	30m(98ft)	30m(98ft)	30m(98ft)
Video Compression	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264
Max. Resolution	5MP(2592×1944)	4MP(2688×1520)	1080P(1920×1080)	5MP(2592×1944)	4MP(2688×1520)	1080P(1920×1080)
Frame Rate	15fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P	20fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S,API	ONVIF profile S,API	ONVIF profile S,API
Audio In/Out	--	--	--	--	--	--
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	--	--	--
Alarm In/Out	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 0) Max. 9.5W	DC12V PoE (802.3af)(Class 0) Max. 9.5W	DC12V PoE (802.3af)(Class 0) Max. 9.5W	DC12V PoE (802.3af)(Class 0) Max.6W	DC12V PoE (802.3af)(Class 0) Max. 5.5W	DC12V PoE (802.3af)(Class 0) Max. 5.5W

Lite 2.0 Series

	Fixed Mini-Dome			Fixed Eyeball		
Model	IPC-HDBW1531E	IPC-HDBW1431E	IPC-HDBW1230E	IPC-HDW1531S	IPC-HDW1431S	IPC-HDW1230S
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Image Sensor	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS
Lens	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0
FOV-H	96°/78°	104°/87°	104°/92°	96°/78°	104°/87°	104°/92°
Min. Illumination	0.03Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.03Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	120dB	120dB	DWDR
Max. IR Distance	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)
Video Compression	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264H	H.265+/H.265 H.264+/H.264
Max. Resolution	5MP(2592×1944)	4MP(2688×1520)	1080P(1920×1080)	5MP(2592×1944)	4MP(2688×1520)	1080P(1920×1080)
Frame Rate	20fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P	20fps@5MP 30fps@3MP	20fps@4MP 30fps@3MP	30fps@1080P
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~355° Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF profile S,API	ONVIF profile S,API	ONVIF profile S,API	ONVIF profile S,API	ONVIF profile S,API	ONVIF profile S,API
Audio In/Out	--	--	--	--	--	--
Memory Slot	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--
Ingress Protection	IP67,IK10	IP67,IK10	IP67,IK10	IP67	IP67	IP67
Working Temperature	-30°C~-60°C(-22°F~+140°F)	-30°C~-60°C(-22°F~+140°F)	-30°C~-60°C(-22°F~+140°F)	-30°C~-60°C(-22°F~+140°F)	-30°C~-60°C(-22°F~+140°F)	-30°C~-60°C(-22°F~+140°F)
Power	DC12V PoE (802.3af)(Class 0) Max. 6W	DC12V PoE (802.3af)(Class 0) Max. 5.5W	DC12V PoE (802.3af)(Class 0) Max. 5.5W	DC12V PoE (802.3af)(Class 0) Max. 6W	DC12V PoE (802.3af)(Class 0) Max. 5.5W	DC12V PoE (802.3af)(Class 0) Max. 5.5W

NETWORK CAMERAS

Access ANPR Cameras

Access ANPR Cameras

Access ANPR cameras are designed for license plate monitoring in low speed scenarios, such as parking lots, gas stations, campus streets, etc. It is suitable for vehicle entrance & exit management as it has a whitelist function and the ability to control barrier gates. With embedded ANPR algorithms and true WDR, the Access ANPR camera can accurately detect and recognize vehicle license plates in all environments.

⊕ KEY FEATURES

Easy & Stable

Simple wizard-guided setup. True WDR and auto ICR suits all environments

Advanced Management

Embedded white/black list; Relay out port to control barriers

Cost-Effective

Embedded ANPR algorithm saves on cost of maintaining smart servers

Well-Designed Solutions

Work with NVR Pro series for lite solution; EMS/PMS/DSS platforms for professional solutions

* Compatible with NVR Pro series (NVR5X)

Access ANPR			
Model	ITC237-PW1B-IRZ	ITC237-PU1B-IR	ITC237-PU1B-L
Appearance			
WDR	140dB	140dB	140dB
Max. Lighting Distance	IR: 8m(26ft)	IR: 40m(131ft)	White Light: 40m(131ft)
Video Compression	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B
Max. Resolution	2M (1920×1080)	2M (1920×1080)	2M (1920×1080)
Frame Rate	25fps@1080P	25fps@1080P	25fps@1080P
Multi-streaming	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	--	--
Intelligent Video	Embedded ANPR, 3~8m 1 lane width max 40Kmh 10000 whitelist & black list Relay out to control barrier	Embedded ANPR, 4~40m 2 lanes width max 70Kmh 10000 whitelist & black list Relay out to control barrier	Embedded ANPR, 4~40m 2 lanes width max 70Kmh 10000 whitelist & black list Relay out to control barrier
CoMPatibility	ONVIF, API	ONVIF, API	ONVIF, API
Audio In/Out	1/1	2/1	2/1
Memory Slot	Micro SD, Max. 64GB	Micro SD, Max. 64GB	Micro SD, Max. 64GB
Alarm In/Out	1/1	2/2	2/2
Ingress Protection	IP67, IK10	IP66	IP66
Working TeMPurature	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V,PoE (802.3af) Max. 12W	PoE+ (802.3at) Max. 17W	PoE+ (802.3at) Max. 17W

NETWORK PTZ CAMERAS



NETWORK PTZ CAMERAS

Ultra AI Series

Ultra AI Series

Ultra AI series PTZ cameras adopt the most advanced AI technologies, including deep learning algorithms that primarily target people and vehicles, which provides higher flexibility and accuracy for end-users. Featuring perimeter protection, metadata and face recognition, it aims to provide potential risk prevention, real-time event alarm.

⊕ KEY FEATURES

Perimeter Protection

Significantly improves detection accuracy, reduces false alarms

Auto Tracking

Supports targets classification tracking





Face Recognition

Outputs the result once a successful match is found, supports up to 10000 face images storage

Metadata

Attribute information extracted from target object, including human/huaman face/ motor vehicle/ non-motor Vehicle

Outdoor IR PTZ Camera

Model	SD8A250WA-HNF	SD8A840WA-HNF	SD8A440WA-HNF	SD8A240WA-HNF
Appearance	 AI H.265+ Starlight	 AI 4K H.265+ Starlight+	 AI H.265+ Starlight+	 AI H.265+ Starlight+
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 4K STARVIS™ CMOS	1/1.8" 4MP CMOS	1/1.8" 2MP CMOS
Lens	6.6-330mm (50x Optical zoom)	5.6~223mm(40x Optical zoom)	5.6~223mm(40x Optical zoom)	5.6~223mm (40x Optical zoom)
FOV-H	41.3° ~ 1.1°	63.9° ~ 2.0°	63.9° ~ 2.0°	70.3° ~ 1.8°
Min. Illumination	0.008Lux/F1.8(Color) 0Lux/F1.8(IR on)	0.002Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.001Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.001Lux/F1.4(Color) 0Lux/F1.4(IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	500m (1640ft)	500m (1640ft)	500m (1640ft)	500m (1640ft)
Video Compression	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
Max. Resolution	1080P (1920×1080)	4K (3840×2160)	4MP (2560×1440)	1080P (1920×1080)
Frame Rate	60fps@1080P	30fps@4K	30fps@4MP	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°
Preset Speed	Pan: 240° /s; Tilt: 120° /s	Pan: 240° /s; Tilt: 120° /s	Pan: 240° /s; Tilt: 120° /s	Pan: 240° /s; Tilt: 120° /s
Compatibility	ONVIF profileS&G, API	ONVIF profileS&G, API	ONVIF profileS&G, API	ONVIF profileS&G, API
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67
WorkingTemperature	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)
Power	AC24V, Hi-PoE, Max. 38W	AC24V, Hi-PoE, Max. 42W	AC24V, Hi-PoE, Max. 42W	AC24V, Hi-PoE, Max. 38W
Artificial Intelligence				
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
Auto Tracking	Supported	Supported	Supported	Supported
Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata
Face Recognition	Supported	Supported	Supported	Supported
General Intelligence				
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK PTZ CAMERAS

Ultra Series

The Ultra Series PTZ is designed for projects with the highest quality and performance requirements. With high performance Sony camera sensors, IP67 & IK10, and extra-long distance IR, this range is capable of handling any type of scenarios.

⊕ KEY FEATURES

Advanced Sensors

High sensitivity & low noise with back-illuminated pixel technology

Superior Image

Starlight / Ultra 140dB WDR provides clear image under any light conditions

Automated Surveillance

Intelligent auto-tracking PTZ tracks suspicious objects

Powerful Protection

IP67 / IK10 ratings ensure cameras can withstand tough conditions

Super IR Range

Cameras provide up to 550m IR range for performance in dark environments

Powerful Zoom




30x/40x/45x/48x optical zoom easily covers large areas

PFA

Improve focusing performance to a new level

Ultra Series

Outdoor IR PTZ Camera

Model	SD10A248V-HNI	SD8A840VI-HNI	SD8A240VI-HNI
Appearance	 H.265+ Starlight+	 4K H.265+ Starlight+	 H.265+ Starlight+
Image Sensor	1/1.8" 2MP CMOS	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	5.7~275mm (48x Optical zoom)	5.6~223mm (40x Optical zoom)	5.6~223mm (40x Optical zoom)
FOV-H	64.6°~1.5°	63.9° ~ 2.0°	60.6° ~ 1.8°
Min. Illumination	0.001Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.002Lux/F1.35(Color) 0Lux/F1.35(IR on)	0.001Lux/F1.35(Color) 0Lux/F1.35(IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	450m(1476ft)	450m(1476ft)	450m(1476ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	1080P(1920×1080)	4K(3840×2160)	1080P(1920×1080)
Frame Rate	60fps@1080P	30fp@4K	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°
Preset Speed	Pan: 240°/s; Tilt: 200°/s	Pan: 240° /s; Tilt: 120° /s	Pan: 240° /s; Tilt: 120° /s
Auto Tracking	Supported	Supported	Supported
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profileS&G, API	ONVIF profileS&G, API
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max 256GB	Micro SD, Max 256GB
Alarm In/Out	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67
Working Temperature	-40°C~-70°C(-40°F~+158°F)	-40°C~-70°C(-40°F~+158°F)	-40°C~-70°C(-40°F~+158°F)
Power	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W

NETWORK PTZ CAMERAS

Ultra Series

	Outdoor IR PTZ Camera		Outdoor Laser PTZ Camera		Outdoor IR PTZ Camera	Outdoor PTZ Camera
Model	SD6AE240V-HNI	SD6AE230F-HNI	SD6AL245U-HNI	SD6AL230F-HNI	SD6AL245U-HNI-IR	SD65F230F-HNI
Appearance	 Ultra WDR, H.265+, Starlight	 Starlight+	 H.265+, Starlight	 Starlight+	 H.265+, Starlight	 Starlight+
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	4.5~180mm (40x Optical zoom)	6~180mm(30x Optical zoom)	3.95~177.7mm(45x Optical zoom)	6~180mm(30x Optical zoom)	3.95~177.7mm(45x Optical zoom)	6~180mm(30x Optical zoom)
FOV-H	67.5° ~ 1.7°	61.2°~2.1°	70.3°~1.8°	61.2°~2.1°	70.3°~1.8°	61.2°~2.1°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.5(Color) 0Lux/F1.5(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.5(Color) 0Lux/F1.5(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.5(Color) 0.0002Lux/F1.5(B/W)
WDR	140dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	200m(656ft)	200m(656ft)	550m(1804ft)	500m(1640ft)	300m(984ft)	--
Video Compression	H.265+/H.265/H.264+/H.264	H.264	H.265+/H.265/H.264+/H.264	H.264	H.265+/H.265/H.264+/H.264	H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	60fp@1080P	30fps@1080P, 60fps@720P	60fp@1080P	30fps@1080P, 60fps@720P	60fp@1080P	30fps@1080P, 60fps@720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°
Preset Speed	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 600°/s; Tilt: 500°/s
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67, IK10	IP67, IK10	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+70°C(-40°F~+158°F)
Power	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W	AC24V, Hi-PoE Max. 38W	AC24V: Max. 43W PoE+(802.3at): Max. 23.5W

NETWORK PTZ CAMERAS

Pro AI series

Pro AI series PTZ cameras contain perimeter protection, video structuring functions, powered by deep-learning artificial intelligence algorithms, which provides higher accuracy. Meanwhile, the series features starlight and PFA technology.

⊕ KEY FEATURES

Perimeter Protection

Significantly improves detection accuracy, reduces false alarms

Auto Tracking




Supports targets classification tracking

Video Structuring

Capture high quality human, motor vehicle and non-motor vehicle pictures from video

Pro AI Series

Outdoor IR PTZ Camera

Model	SD6AE233XA-HNR	SD6CE445XA-HNR	SD5A445XA-HNR
Appearance	 AI H.265+ Starlight+	 AI H.265+ Starlight	 AI H.265+ Starlight
Image Sensor	1/1.8" 2MP CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS
Lens	5.8~191.4mm (33x Optical zoom)	3.95 ~177.7 mm (45x Optical zoom)	3.9~177.7 mm (45x Optical zoom)
FOV-H	60.1° ~ 3.2°	70.3° ~ 1.8°	70.3° ~ 1.8°
Min. Illumination	0.001Lux/F1.8(Color) 0Lux/F1.8(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	200m (656f)	250m (820ft)	150 m (492 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P(1920×1080)	4MP(2560×1440)	4MP(2560×1440)
Frame Rate	60fps@1080P	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 360° endless; Tilt:-20° ~ 90°	Pan: 0° ~ 360° endless; Tilt:-20° ~ 90°	Pan: 0° ~ 360° endless; Tilt:-15° ~ 90°
Preset Speed	Pan: 240° /s; Tilt: 200° /s	Pan: 300° /s; Tilt: 200° /s	Pan: 400°/s; Tilt: 300°/s
Compatibility	ONVIF profileS&G, API	ONVIF profileS&G, API	ONVIF profileS&G, CGI
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)
Power	AC24V, Hi-PoE, Max. 32W	AC24V, PoE+(802.3at), Max. 26W	AC24V, PoE+(802.3at), Max. 20W
Artificial Intelligence			
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
Auto Tracking	Supported	Supported	Supported
Video Structuralization	Supported	Supported	Supported
General Intelligence			
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK PTZ CAMERAS

Pro Series

The Pro Series PTZ is designed to meet high image quality and low-light surveillance requirements with the help of Starlight technology. Rich housing and model selections are available to meet diverse application needs.

⊕ KEY FEATURES

Great Selection

Wide range of housings and models to suit all requirements

Advanced Intelligence

IVS, auto-tracking, and face detection ensure efficient surveillance

H.265

Advanced encoding saves up to 50% bandwidth and storage

Powerful Protection

IP67 / IK10 ratings ensure cameras can withstand tough conditions

Optimized Image



High quality image with Starlight technology

PFA

Improve focusing performance to a new level

Pro Series

Outdoor IR PTZ Camera

Model	SD6CE245U-HNI	SD6CE230U-HNI	SD6CE225U-HNI
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	3.95~177.7mm (45x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)
FOV-H	70.3°~1.8°	67.8°~2.4°	62.8°~2.6°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	250m(820ft)	200m(656ft)	200m(656ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	60fp@1080P	60fp@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless; Tilt: -20°~90°	Pan: 0°~360° endless; Tilt: -20°~90°	Pan: 0°~360° endless; Tilt: -20°~90°
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s
Auto Tracking	Supported	Supported	Supported
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	7/2
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)
Power	AC24V, PoE+(802.3at) Max. 25W	AC24V, PoE+(802.3at) Max. 25W	AC24V, PoE+(802.3at) Max. 25W

NETWORK PTZ CAMERAS

Pro Series

NETWORK PTZ CAMERAS

	Outdoor PTZ Camera			Outdoor IR PTZ Camera		
Model	SD60430U-HNI	SD60230U-HNI	SD60225U-HNI	SD59430U-HNI	SD59230U-HNI	SD59225U-HNI
Appearance	 H.265+	 H.265+ Starlight	 H.265+ Starlight	 H.265+	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)
FOV-H	60°~2.2°	67.8°~2.4°	62.8°~2.6°	60°~2.2°	67.8°~2.4°	62.8°~2.6°
Min. Illumination	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	--	--	100m(328ft)	150m(492ft)	150m(492ft)
Video Compression	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
Max. Resolution	4MP(2592x1520)	1080P(1920x1080)	1080P(1920x1080)	4MP(2592x1520)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°
Preset Speed	Pan: 600°/s; Tilt: 500°/s	Pan: 600°/s; Tilt: 500°/s	Pan: 600°/s; Tilt: 500°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/s
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	7/2	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP66	IP66	IP66
Working Temperature	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)
Power	AC24V, PoE+(802.3at) Max. 20W	AC24V, PoE+(802.3at) Max. 20W	AC24V, PoE+(802.3at) Max. 20W	AC24V, PoE+(802.3at) Max. 23W	AC24V, PoE+(802.3at) Max. 23W	AC24V, PoE+(802.3at) Max. 23W

NETWORK PTZ CAMERAS

Pro Series

	Outdoor PTZ Camera			In-ceiling PTZ Camera			Zoom Camera
Model	SD50430U-HNI	SD50230U-HNI	SD50225U-HNI	SD52C430U-HNI	SD52C230U-HNI	SD52C225U-HNI	SDZ2030S-N
Appearance	 H.265+	 H.265+ Starlight	 H.265+ Starlight	 H.265+	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	60°~2.2°	67.8°~2.4°	62.8°~2.6°	60°~2.2°	67.8°~2.4°	62.8°~2.6°	67.8°~2.4°
Min. Illumination	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	--	--	--	--	--	--
Video Compression	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	H.265+/H.265 H.264+/H.264
Max. Resolution	4MP(2592x1520)	1080P(1920x1080)	1080P(1920x1080)	4MP(2592x1520)	1080P(1920x1080)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	--
Preset Speed	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	--
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported	--
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IK10	IK10	IK10	--
Working Temperature	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-40°C~+70°C(-40°F~+158°F)
Power	AC24V, PoE+(802.3at) Max. 23W	AC24V, PoE+(802.3at) Max. 23W	AC24V, PoE+(802.3at) Max. 23W	AC24V, PoE+(802.3at) Max. 13W	AC24V, PoE+(802.3at) Max. 13W	AC24V, PoE+(802.3at) Max. 13W	DC12V, PoE(802.3af) Max. 10W

NETWORK PTZ CAMERAS

Lite Series

The Lite Series PTZ offers a cost/performance solution suitable for a range of applications. Its compact design built with Dahua quality standards and assurance enables the entire range to meet your requirements.

⊕ KEY FEATURES

Compact Design

Small PTZ cameras; Can fit in a number of places

Mini IR PTZ

Pan / tilt / zoom and IR functionality in compact housing

Advanced Intelligence

IVS and Face Detection ensure efficient surveillance

Powerful Zoom

Up to 25x optical zoom easily covers large areas

Cost-Effective

Performance and quality are combined at an affordable price




PFA

Improve focusing performance to a new level

NETWORK PTZ CAMERAS







Lite Series

Outdoor IR PTZ Camera

Model	SD49412T-HN	SD49225T-HN	SD49212T-HN
Appearance	 H.265	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	5.3~64mm (12x Optical zoom)	4.8~120mm (25x Optical zoom)	5.3~64mm (12x Optical zoom)
FOV-H	58.2°~4.8°	62.8°~2.6°	58.2°~4.8°
Min. Illumination	0.05Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	100m(328ft)	100m(328ft)	100m(328ft)
Video Compression	H.265/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4MP(2592×1520)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@4MP/3MP	30fps@1080P	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°
Preset Speed	Pan: 240°/s, Tilt: 200°/s	Pan: 240°/s, Tilt: 200°/s	Pan: 240°/s, Tilt: 200°/s
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	2/1	2/1
Ingress Protection	IP66	IP66	IP66
Working Temperature	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+70°C(-40°F~+158°F)
Power	DC12V, PoE+(802.3at) Max. 22W	DC12V, PoE+(802.3at) Max. 22W	DC12V, PoE+(802.3at) Max. 22W

NETWORK PTZ CAMERAS


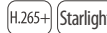

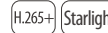
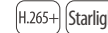

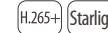


Lite Series

	Outdoor PTZ Camera	Indoor PTZ Camera	In-ceiling PTZ Camera	Mini IR PTZ Camera	Mini PTZ Camera	
Model	SD40212T-HN (-S2)	SD42212T-HN (-S2)	SD42C212T-HN (-S2)	SD29204UE-GN	SD22404T-GN	SD22204UE-GN
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight red dot award 2015 winner	 H.265+ Starlight	 H.265	 H.265+ Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)	2.7~11mm (4x Optical zoom)	2.7~11mm (4x Optical zoom)	2.7~11mm (4x Optical zoom)
FOV-H	58.2°~4.8°	58.2°~4.8°	58.2°~4.8°	112.5°~30°	112.5°~30°	112.5°~30°
Min. Illumination	0.005Lux/F1.6(Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.05Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	--	--	30m(98ft)	--	--
Video Compression	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.264	H.265+/H.265 H.264+/H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	4MP(2592×1520)	1080P(1920×1080)
Frame Rate	30fp@1080P	30fp@1080P	30fp@1080P	30fps@1080P	30fps@4MP/3MP	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° limited Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 100°/s; Tilt: 60°/s	Pan: 100°/s; Tilt: 60°/s	Pan: 100°/s; Tilt: 60°/s
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	Built-in Mic	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB
Alarm In/Out	2/1	2/1	2/1	--	--	--
Ingress Protection	IP66, IK10	IP66, IK10	IK10	--	IP66, IK10	IP66, IK10
Working Temperature	-40°C~-60°C (-40°F~+140°F)	-30°C~-60°C (-22°F~+140°F)	-30°C~-60°C (-22°F~+140°F)	-30°C~-60°C (-22°F~+140°F)	-30°C~-60°C (-22°F~+140°F)	-30°C~-60°C (-22°F~+140°F)
Power	AC24V, PoE+(802.3at) Max. 22W	AC24V, PoE+(802.3at) Max. 12W	AC24V, PoE+(802.3at) Max. 12W	DC12V, PoE(802.3af) Max. 13W	DC12V, PoE(802.3af) Max. 10W	DC12V, PoE(802.3af) Max. 10W

NETWORK PTZ CAMERAS

NETWORK PTZ CAMERAS

Lite Series

	Mini IR PTZ Camera	Mini IR PT Camera	Mini PTZ Camera	Mini PT Camera	Mini IR PTZ Camera	Mini IR PT Camera
Model	SD1A203T-GN	SD1A200T-GN	SD12203T-GN	SD12200T-GN	PTZ1C203UE-GN	PTZ1C200UE-GN
Appearance	 	 	 	 	 	 
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.7~8.1mm (3x optical zoom)	2.8mm/F1.6 3.6mm/F1.6	2.7~8.1mm (3x optical zoom)	2.8mm/F1.6 3.6mm/F1.6	2.7~8.1mm (3x Optical zoom)	3.6mm/F1.6
FOV-H	105.6° ~ 35.2°	102.9°/80.9°	105.6° ~ 35.2°	102.9°/80.9°	105.6° ~ 35.2°	80.9°
Min. Illumination	0.005Lux/F1.8(Color) 0Lux/F1.8 (IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.8(Color) 0.0005Lux/F1.8 (B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6(Color) 0Lux@F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux@F1.6(IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	15m(49ft)	15m(49ft)	--	--	20m (65.6ft)	20m (65.6ft)
Video Compression	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
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P 60fps@720P	30fps@1080P 60fps@720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 355° Tilt: 5° ~ 90°	Pan: 0° ~ 355° Tilt: 20° ~ 90°	Pan: 0° ~ 355° Tilt: 5° ~ 90°	Pan: 0°~355° Tilt: 20°~90°	Pan: 0° ~ 180° Tilt: -5° ~ 55°	Pan: 0° ~ 180° Tilt: -5° ~ 55°
Preset Speed	Pan: 80° /s; Tilt: 40° /s	Pan: 80° /s; Tilt: 40° /s	Pan: 80° /s; Tilt: 40° /s	Pan: 80°/s; Tilt: 40°/s	--	--
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G,API
Audio In/Out	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--
Ingress Protection	IP66, IK08	IP66, IK08	IP66, IK08	IP66, IK08	IP66	IP66
Working Temperature	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~ +140°F)	-30°C ~ +60°C (-22°F~ +140°F)
Power	DC12V, PoE(802.3af) Max. 10.5W	DC12V, PoE(802.3af) Max. 10.5W	DC12V, PoE(802.3af) Max. 6W	DC12V, PoE(802.3af) Max. 6W	DC12V, PoE(802.3af) Max. 11W	DC12V, PoE(802.3af) Max. 11W

NETWORK PTZ CAMERAS

Wi-Fi Series

The Wi-Fi Series PTZ offers an alternative solution with Wi-Fi technology to reduce cabling and maintenance costs. The series is suitable for indoor or near-building outdoor applications.

⊕ KEY FEATURES

Compact Design

Small PTZ cameras; Can fit in a number of places

Wire-Free

Wi-Fi technology provides easy installation without cables





Powerful Zoom

Up to 25x optical zoom easily covers large areas

PFA

Improve focusing performance to a new level







Wi-Fi Series

	Outdoor IR PTZ Camera	Mini IR PTZ Camera	Mini PTZ Camera	
Model	SD49225T-HN-W	SD29204UE-GN-W	SD22404T-GN-W	SD22204UE-GN-W
Appearance	 H.265+ Starlight	 reddit award 2015 winner H.265+ Starlight	 H.265	 H.265+ Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/3" 2MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.8~120mm (25x Optical zoom)	2.7~11mm (4x Optical zoom)	2.7~11mm (4x optical zoom)	2.7~11mm (4x Optical zoom)
FOV-H	62.8°~2.6°	112.5°~30°	112.5° ~ 30°	112.5°~30°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux@F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	100m(328ft)	30m(98ft)	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	4M(2592×1520)	1080P(1920×1080)
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° limited Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°
Preset Speed	Pan: 240°/s, Tilt: 200°/s	Pan: 100°/s, Tilt: 60°/s	Pan: 100°/s, Tilt: 60°/s	Pan: 100°/s, Tilt: 60°/s
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	Built-in Mic	--	--
Memory Slot	Micro SD Max. 256GB	Micro SD Max. 128GB	Micro SD Max. 256GB	Micro SD Max. 128GB
Alarm In/Out	2/1	--	--	--
Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11b/g/n)	Wi-Fi (IEEE802.11b/g/n)	Wi-Fi (IEEE802.11b/g/n)
Ingress Protection	IP66	--	IP66,IK10	IP66, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	DC12V, Max. 22W	DC12V, Max. 13W	DC12V, Max. 10W	DC12V, Max. 10W

NETWORK PTZ CAMERAS

NETWORK PTZ CAMERAS

Wi-Fi Series

	Mini IR PTZ Camera	Mini IR PT Camera	Mini PTZ Camera	Mini PT Camera	Mini PTZ Camera	Mini PT Camera
Model	SD1A203T-GN-W	SD1A200T-GN-W	SD12203T-GN-W	SD12200T-GN-W	PTZ1C203UE-GN-W	PTZ1C200UE-GN-W
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.7~8.1mm (3x optical zoom)	2.8mm/F1.6 3.6mm/F1.6	2.7~8.1mm (3x optical zoom)	2.8mm/F1.6 3.6mm/F1.6	2.7~8.1mm (3x Optical zoom)	3.6mm/F1.6
FOV-H	105.6° ~ 35.2°	102.9°/80.9°	105.6° ~ 35.2°	102.9°/80.9°	105.6° ~ 35.2°	80.9°
Min. Illumination	0.005Lux/F1.8(Color) 0Lux/F1.8(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.8(Color) 0.0005Lux/F1.8(B/W)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0Lux@F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux@F1.6(IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	15m(49ft)	15m(49ft)	--	--	20m (65.6ft)	20m (65.6ft)
Video Compression	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
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 355°, Tilt: 5° ~ 90°	Pan: 0° ~ 355°, Tilt: 20° ~ 90°	Pan: 0° ~ 355°, Tilt: 5° ~ 90°	Pan: 0°~355°, Tilt: 20°~90°	Pan: 0° ~ 180°, Tilt:-5° ~ 55°	Pan: 0° ~ 180°, Tilt:-5° ~ 55°
Preset Speed	Pan: 80° /s, Tilt: 40° /s	Pan: 80° /s, Tilt: 40° /s	Pan: 80° /s, Tilt: 40° /s	Pan: 80°/s, Tilt: 40°/s	--	--
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G,API
Audio In/Out	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1	1(Mic in/Line in)/1
Memory Slot	Micro SD Max. 256GB	Micro SD Max. 256GB	Micro SD Max. 256GB	Micro SD Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--
Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi	Wi-Fi (IEEE802.11a/b/g/n/ac) Dual-Band Wi-Fi
Ingress Protection	IP66,IK08	IP66,IK08	IP66,IK08	IP66,IK08	IP66	IP66
Working Temperature	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C ~ +60°C, (-22°F~ +140°F)	-30°C ~ +60°C, (-22°F~ +140°F)
Power	DC12V, Max. 10.5W	DC12V, Max. 10.5W	DC12V, Max. 6W	DC12V, Max. 6W	DC12V, Max. 11W	DC12V, Max. 11W

NETWORK PTZ CAMERAS

NETWORK PTZ CAMERAS

All-environment Series

All-environment series is designed for projects with the highest performance requirements and special requirements such as explosive and corrosive environment surveillance. Most of these models can be mounted upright (some of them can be mounted both upright and inverted).

⊕ KEY FEATURES

Automated Surveillance

Intelligent auto-tracking PTZ tracks suspicious objects

Superior Image

Starlight / Ultra WDR provides clear image under any light conditions

Powerful Zoom

25x / 30x / 40x / 48x optical zoom easily covers large areas

Super IR Range




Cameras provide up to 1200m IR range for performance even in dark environments

PFA

Improve focusing performance to a new level


All-environment Series

Ultra AI Series IR Positioning System

Model	PTZ83840-HNF-WA	PTZ83440-HNF-WA	PTZ83240-HNF-WA
Appearance			
Image Sensor	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/1.8" 2MP CMOS
Lens	5.6 mm~223 mm(40x Optical zoom)	5.6mm~223mm(40x Optical zoom)	5.6 mm~223 mm(40x Optical zoom)
FOV-H	63.9°~2.0°	63.9° ~ 2.0°	70.3° ~ 1.8°
Min. Illumination	0.002Lux/F1.4(Color) 0Lux/ (IR on)	0.001Lux/F1.4(Color) 0Lux/ (IR on)	0.001Lux/F1.4(Color) 0Lux/ (IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	300 m (984.25 ft)	300 m (984.25 ft)	300 m (984.25 ft)
Video Compression	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
Max. Resolution	4K(3840×2160)	4M(2560×1440)	1080P(1920×1080)
Frame Rate	30fps@4K	30fps@4M	60fps@2M
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -90°~45°	Pan: 0° ~ 360° endless Tilt: -90°~45°	Pan: 0° ~ 360° endless Tilt: -90°~45°
Preset Speed	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s
Compatibility	ONVIF profileS&G, API	ONVIF profileS&G, API	ONVIF profileS&G, API
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67
Working Temperature	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +70°C(-40°F~+158°F)
Power	AC24V, Max. 70W	AC24V, Max. 70W	AC24V, Max. 70W
Artificial Intelligence			
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)	Tripwire, Intrusion (Human & Vehicle classification)
Auto Tracking	Supported	Supported	Supported
Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata	Human/Human Face/Motor Vehicle/ Non-motor Vehicle Metadata
Face Recognition	Supported	Supported	Supported
General Intelligence			
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK PTZ CAMERAS

All-environment Series

	RoboPTZ Series IR Positioning System	IR Positioning System	Laser Positioning System	RoboPTZ Series IR Positioning System	Anti-corrosion PTZ Camera	
Model	PTZ1A225U-IRA-N	PTZ12248V-IRB-N	PTZ12248V-LR8-N	PTZ19245U-IRB-N(-B)	SD60230U-HNI-SL	
Appearance	 	 	 	 	 	 
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.8~120mm(25x Optical zoom)	5.7~275mm (48x Optical zoom)	5.7~275mm (48x Optical zoom)	3.95~177.7mm (45x Optical zoom)	4.5~180mm (40x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	62.8°~2.6°	64.6°~1.5°	64.6°~1.5°	70.3°~1.8°	67.5° ~ 1.7°	67.8° ~ 2.4°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.001Lux/F1.4(Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4(Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.2(Color) 0Lux/F1.2 (IR on)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)
WDR	120dB	120dB	120dB	120dB	140dB	120dB
Max. IR Distance	150m(492ft)	450 m (1476ft)	1200 m (3937ft)	350m(1148ft)	350m(1148ft)	--
Video Compression	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
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	60fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -90°~90° (Effective angle: -51°~+90°)	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0° ~ 360° endless Tilt: 0° ~ 360° endless (Effective angle: -55°~+223°)	Pan: 0° ~ 360° endless Tilt: 0° ~ 360° endless (Effective angle: -55°~+223°)	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°
Preset Speed	Pan: 180°/s; Tilt: 120°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 200° /s; Tilt: 120° /s	Pan: 200° /s; Tilt: 120° /s	Pan: 600° /s; Tilt: 500° /s
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face Detection	Tripwire, Intrusion Abandoned/Missing Face detection
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67, IK10	IP66	IP66	IP68	IP68	IP68, IK10
Working Temperature	-40°C~-70°C(-40°F~+158°F)	-40°C~-70°C(-40°F~+158°F)	-40°C~-70°C(-40°F~+158°F)	-50°C~-70°C(-58°F~+158°F) -40°C~-70°C(-40°F~+158°F) (-B Model)	-50°C~-70°C(-58°F~+158°F) -40°C~-70°C(-40°F~+158°F) (-B Model)	-40°C ~ +70°C(-40°F~+158°F)
Power	DC12V, PoE+(802.3at) Max. 22W	AC24V Max. 80W	AC24V Max. 90W	AC24V: Max. 80W AC24V(-B Model), Hi-PoE: Max. 40W	AC24V: Max. 80W AC24V(-B Model), Hi-PoE: Max. 40W	AC24V, PoE+(802.3at) Max. 20W

NETWORK PTZ CAMERAS

NETWORK PTZ CAMERAS

All - environment Series

	Anti-corrosion Camera		Explosion-proof Camera	Explosion-proof PTZ Camera			
Model	SDZW2030U-SL	SDZW2000T-SL	EPC230U	EPC245U-PTZ	EPC245U-PTZ-IR	EPC230U-PTZ	EPC230U-PTZ-IR
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.5~135mm (30x Optical zoom)	3.6mm/F2.1 6mm/F2.0	4.5~135mm (30x Optical zoom)	3.95~177.7mm (45x Optical zoom)	3.95~177.7mm (45x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	67.8° ~ 2.4°	87° / 51°	67.8° ~ 2.4°	70.3° ~ 1.8°	70.3° ~ 1.8°	67.8° ~ 2.4°	67.8° ~ 2.4°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	100m (328ft)	30m (98ft)	100m (328ft)	--	200m (656ft)	--	100m (328ft)
Video Compression	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	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	60fp@1080P	60fp@1080P	60fp@1080P	60fps@1080P	60fps@1080P	60fp@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	--	--	--	Pan: 0° ~ 360° endless Tilt: -90° ~ 90°	Pan: 0° ~ 360° endless Tilt: -90° ~ 90°	Pan: 0° ~ 360° endless Tilt: -90° ~ 90°	Pan: 0° ~ 360° endless Tilt: -90° ~ 90°
Pre-set Speed	--	--	--	Pan: 40° /s; Tilt: 40° /s	Pan: 40° /s; Tilt: 40° /s	Pan: 40° /s; Tilt: 40° /s	Pan: 40° /s; Tilt: 40° /s
Auto Tracking	--	--	--	--	--	--	--
Intelligent Video	Tripwire, Intrusion Abandoned/Missing Face detection	Tripwire, Intrusion Abandoned/Missing Face detection	Tripwire, Intrusion Abandoned/Missing Face detection	Tripwire, Intrusion Abandoned/Missing Face detection	Tripwire, Intrusion Abandoned/Missing Face detection	--	--
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G, API	ONVIF profile S&G,API	ONVIF profile S&G,API	ONVIF profile S&G, API	ONVIF profile S&G, API
Audio In/Out	1/1	--	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	--	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/2	--	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP68	IP68, IK10	IP68	IP68	IP68	IP68	IP68
Working Temperature	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +60°C(-40°F~+140°F)	-40°C ~ +60°C(-40°F~+140°F)	-40°C ~ +60°C(-40°F ~ +140°F)	-40°C ~ +60°C(-40°F ~ +140°F)	-40°C ~ +60°C(-40°F~+140°F)	-40°C ~ +60°C(-40°F~+140°F)
Power	AC24V, DC12V, PoE+(802.3af) Max. 25W	DC12V, PoE(802.3af) Max. 5W	AC220V(AC100V~240V), Hi-PoE Max. 25W	AC220V(AC100V ~ 240V) Max. 75W	AC220V(AC100V ~ 240V) Max. 75W	AC220V(AC100V ~ 240V) Max. 60W	AC220V(AC100V ~ 240V) Max. 75W

NETWORK PTZ CAMERAS

NETWORK THERMAL CAMERAS



NETWORK THERMAL CAMERAS

Ultra Series

Ultra Series

The Ultra Series is designed for projects with the highest quality and performance requirements. Together with thermal and starlight technology, rich selection of various resolutions and lens configurations, this series provides an all-in-one solution that is especially beneficial for long distance video surveillance in any outdoor applications.

⊕ KEY FEATURES

Advanced Sensors

Uncooled Vox Microbolometer, High thermal sensitivity (<40mK)

Superior Image

Together with Thermal and Starlight technology for monitoring in total darkness

Great Selection

Wide range of housings and models to suit all requirements

Powerful Lens





Various lens configurations, powerful optical zoom (thermal and visible)

Advanced Intelligence

High accuracy IVS, long distance fire detection & alarm

Temperature Measurement

Wide temperature measurement range -20°C ~ +550°C (T model)

	Model	TPC-PT8620C	TPC-PT8420C	TPC-PT8620B	TPC-PT8420B
	Appearance				
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer
	Effective Pixels	640(H) x 512(V)	400(H) x 300(V)	640(H) x 512(V)	400(H) x 300(V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
Thermal	Lens	100mm 20mm ~ 100mm (Optional) 30mm ~ 150mm (Optional) 25mm ~ 225mm (Optional)	100mm 20mm ~ 100mm (Optional) 30mm ~ 150mm (Optional) 25mm ~ 225mm (Optional)	100mm 20mm ~ 100mm (Optional) 30mm ~ 150mm (Optional)	100mm 20mm ~ 100mm (Optional) 30mm ~ 150mm (Optional)
	FOV-H	H: 6.2° H: 31.6°~6.2° (Optional) H: 21.0°~4.1° (Optional) H: 25.7°~2.8° (Optional)	H: 3.9° H: 19.3°~3.9° (Optional) H: 12.9°~2.6° (Optional) H: 15.5°~1.7° (Optional)	H: 6.2° H: 31.6°~6.2° (Optional) H: 21.0°~4.1° (Optional)	H: 3.9° H: 19.3°~3.9° (Optional) H: 12.9°~2.6° (Optional)
	Image Sensor	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS
Visible	Lens	6mm ~ 180mm 7.9mm ~ 316mm (Optional) 21mm ~ 500mm (Optional) 12.5mm ~ 775mm (Optional)	6mm ~ 180mm 7.9mm ~ 316mm (Optional) 21mm ~ 500mm (Optional) 12.5mm ~ 775mm (Optional)	6mm ~ 180mm 7.9mm ~ 316mm (Optional) 21mm ~ 500mm (Optional) 12.5mm ~ 775mm (Optional)	6mm ~ 180mm 7.9mm ~ 316mm (Optional) 21mm ~ 500mm (Optional) 12.5mm ~ 775mm (Optional)
	FOV-H	H: 59°~2.4° H: 41.5°~1.1° (Optional) H: 23.5°~1.0° (Optional) H: 28.8°~0.5° (Optional)	H: 59°~2.4° H: 41.5°~1.1° (Optional) H: 23.5°~1.0° (Optional) H: 28.8°~0.5° (Optional)	H: 59°~2.4° H: 41.5°~1.1° (Optional) H: 23.5°~1.0° (Optional) H: 28.8°~0.5° (Optional)	H: 59°~2.4° H: 41.5°~1.1° (Optional) H: 23.5°~1.0° (Optional) H: 28.8°~0.5° (Optional)
	Min. Illumination	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)
Laser Range Finder(Optional)	Wavelength	1.57um(Eye safe)	1.57um(Eye safe)	--	--
	Effective Distance	50 ~ 5000m (164ft ~ 16404ft)	50 ~ 5000m (164ft ~ 16404ft)	--	--
Laser Illuminator(Optional)	Accuracy	±2m	±2m	--	--
	Wavelength	808±5nm	808±5nm	--	--
	Effective Distance	1000m (3281ft)	1000m (3281ft)	--	--
Video Compression	Angle of Laser Beam	1°~ 30°	1°~ 30°	--	--
	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Frame Rate	Frame Rate	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps
	Pan/Tilt Range	300 presets Pan: 0° ~ 360°endless Tilt: -60° ~ 45° Tilt: -60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt: -60° ~ 45° Tilt: -60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt: -60° ~ 45° Tilt: -60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt: -60° ~ 45° Tilt: -60° ~ 60° (Optional)
General	Intelligent Video Compatibility	IVS, Fire detection & alarm ONVIF Profile S&G, API	IVS, Fire detection & alarm ONVIF Profile S&G, API	IVS, Fire detection & alarm ONVIF Profile S&G, API	IVS, Fire detection & alarm ONVIF Profile S&G, API
	Ingress Protection	IP66	IP66	IP66	IP66
	Working Temperature	-35°C ~ +65°C	-35°C ~ +65°C	-35°C ~ +65°C	-35°C ~ +65°C
	Power	AC100V~300V, <150W	AC100V~300V, <150W	AC100V~300V, <100W	AC100V~300V, <100W

NETWORK THERMAL CAMERAS

Ultra Series

	Model	TPC-SD8621	TPC-SD8421	TPC-PT8620A-T	TPC-PT8620A	TPC-PT8420A-T	TPC-PT8420A	
Appearance								
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	
	Effective Pixels	640(H) x 512(V)	400(H) x 300(V)	640(H) x 512(V)	640(H) x 512(V)	400(H) x 300(V)	400(H) x 300(V)	
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK	
	Lens	25mm/35mm/50mm	25mm/35mm/50mm	25mm/35mm/60mm/100mm	35mm/60mm/100mm	25mm/35mm/60mm/100mm	35mm/60mm/100mm	
	FOV-H	H: 24.6°/17.6°/12.4°	H: 15.5°/10.9°/7.7°	H: 24.6°/17.2°/10.3°/6.2°	H: 17.2°/10.3°/6.2°	H: 15.5°/10.9°/6.5°/3.9°	H: 10.9°/6.5°/3.9°	
	Temperature Range & Accuracy	--	--	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	--	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	--	
	Measurement Rule	--	--	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	--	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	--	
Temperature Alarm	--	--	Support	--	Support	--		
Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	
	Lens	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	6mm ~ 180mm	6mm ~ 180mm	6mm ~ 180mm	6mm ~ 180mm	
	FOV-H	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	
	Min. Illumination	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	
	IR Distance	100m (328ft)	100m (328ft)	150m (492ft)	150m (492ft)	150m (492ft)	150m (492ft)	
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	
	Frame Rate	Thermal: 1280x1024/720P/ 640x512 @25/30fps Visible: 1080P 720P/D1 @25/30fps	Thermal: 1280x1024/720P/ 400x300 @25/30fps Visible: 1080P 720P/D1 @25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360°endless, Tilt: -10° ~ 90°	300 presets, Pan: 0° ~ 360°endless, Tilt: -10° ~ 90°	300 presets Pan: 0° ~ 360°endless Tilt: -90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt: -90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt: -90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt: -90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt: -90° ~ 40°
	Intelligent Video	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification, Auto Tracking	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification, Auto Tracking	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	
	Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	
	Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66	
	Working Temperature	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+70°C	-40°C~+60°C	-40°C~+70°C	
	Power	AC24V, <38W	AC24V, <38W	AC24V, <70W	AC24V, <70W	AC24V, <70W	AC24V, <70W	

NETWORK THERMAL CAMERAS

Ultra Series

	Model	TPC-PT8620M-T	TPC-PT8620M	TPC-PT8420M-T	TPC-PT8420M	TPC-SD8620-T	TPC-SD8420-T	
Appearance								
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	
	Effective Pixels	640(H) x 512(V)	640(H) x 512(V)	400(H) x 300(V)	400(H) x 300(V)	640(H) x 512(V)	400(H) x 300(V)	
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK	
	Lens	19mm/25mm	19mm/25mm	19mm/25mm	19mm/25mm	25mm/35mm/50mm	25mm/35mm/50mm	
	FOV-H	H: 31.6°/24.6°	H: 31.6°/24.6°	H: 20.4°/15.5°	H: 20.4°/15.5°	H: 24.6°/17.2°/12.3°	H: 15.5°/10.9°/7.7°	
	Temperature Range & Accuracy	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	--	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	--	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	
	Measurement Rule	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	--	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	--	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	Spot: 12/Line: 12/Area: 12 Support 12 rules per preset simultaneously	
Temperature Alarm	Support	--	Support	--	Support	Support		
Visible	Image Sensor	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	
	Lens	6mm~180mm	6mm~180mm	6mm~180mm	6mm~180mm	6mm ~ 180mm	6mm ~ 180mm	
	FOV-H	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	
	Min. Illumination	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	
	IR Distance	150m (492ft)	150m (492ft)	150m (492ft)	150m (492ft)	150m (492ft)	150m (492ft)	
General	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	
	Frame Rate	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps
	Pan/Tilt Range	300 presets Pan: 0° ~ 360°endless; Tilt: -90° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -90° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -90° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -90° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -90° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -10° ~ 90°	300 presets Pan: 0° ~ 360°endless; Tilt: -10° ~ 90°
	Intelligent Video	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	
	Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	
	Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66	
	Working Temperature	-40°C~+60°C	-40°C~+70°C	-40°C~+60°C	-40°C~+70°C	-40°C~+60°C	-40°C~+60°C	
	Power	DC9V~36V, <50W	DC9V~36V, <50W	DC9V~36V, <50W	DC9V~36V, <50W	AC24V, <38W	AC24V, <38W	

NETWORK THERMAL CAMERAS

Pro Series

The Pro Series is suitable for applications which require high performance and reliability, and can provide a 24h*7days monitoring solution. Using uncooled Vox sensor technology, their small size and better performance make them easy to install and a best solution for thermal security.

⊕ KEY FEATURES

Advanced Sensor

Uncooled Vox Microbolometer, High thermal sensitivity (<40mK)

Superior Image

High thermal technology for monitoring in total darkness

Powerful Lens

Various lens configurations, athermalized lens, focus-free



Advanced Intelligence

High accuracy IVS, fire detection & alarm

Temperature Measurement

Wide temperature measurement range -20°C ~+550°C(T model)

Pro Series

	Model	TPC-BF5601	TPC-BF5401	TPC-BF5600-T	TPC-BF5400-T
Appearance					
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer
	Effective Pixels	640(H) x 512(V)	400(H) x 300(V)	400(H) x 300(V)	400(H) x 300(V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
	Lens	7.5mm/13mm/25mm/35mm	7.5mm/13mm/25mm/35mm	7.5mm/13mm/19mm/25mm/35mm	7.5mm/13mm/19mm/25mm/35mm
	FOV-H	H: 91.2°/48.9°/24.6°/17.6°	H: 53.7°/30.2°/15.5°/11.1°	H: 52°/29.7°/20.4°/15.5°/11.1°	H: 52°/29.7°/20.4°/15.5°/11.1°
	Digital Zoom	4x(24 levels)	4x(19 levels)	4x(19 levels)	4x(19 levels)
	Temperature Range & Accuracy	--	--	Low Temperature: -20°C ~+150°C High Temperature: 0°C ~+550°C Max (±2°C, ±2%)/Operating Temperature(-10°C~50°C)	--
	Measurement Rule	--	--	Spot: 12/Line: 12/Area: 12 Support 12 rules simultaneously	--
Temperature Alarm	--	--	Support	--	
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
	Frame Rate	1280*1024/720P/640x512 @25/30fps	1280*1024/720P/400x300 @25/30fps	1280x1024 (default)/720P@1~25/30fps	1280x1024 (default)/720P@1~25/30fps
	Intelligent Video	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification	IVS, Fire detection & alarm	IVS, Fire detection & alarm
	Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, PSIA, CGI	ONVIF Profile S&G, PSIA, CGI
	Ingress Protection	IP67	IP67	IP67	IP67
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+60°C	-40°C~+60°C
	Power	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W	AC24V/DC12V/PoE, <10W	AC24V/DC12V/PoE, <10W

NETWORK THERMAL CAMERAS

Lite Series

Lite Series

The Lite Series is a best choice for users who want high performance for surveillance but have budget constraints. A small size, 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 or medium sized monitoring applications.

⊕ KEY FEATURES

Advanced Sensors

Uncooled Vox Microbolometer, Sony 1/2.8" 2M CMOS

Compact Design

Featuring a small size, and powerful combination of visible light and thermal imaging

Advanced Intelligence






High accuracy IVS, fire detection & alarm

Temperature Measurement

Wide temperature measurement range -20°C ~+550°C(T model)

Cost-Effective

Performance and quality are combined at an affordable price

		Model	TPC-SD2221	TPC-BF2221
	Appearance		  	 
	Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer
		Effective Pixels	256(H) x 192(V)	256(H) x 192(V)
		Sensitivity	≤50mK	≤50mK
		Lens	3.5mm/7mm	3.5mm/7mm
		Angle of View	H: 50.6°/24°	H: 50.6°/24°
		Temperature Range & Accuracy	--	--
		Measurement Rule	--	--
		Temperature Alarm	--	--
	Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS
		Lens	4mm/8mm	4mm/8mm
		Angle of View	H: 84°/40°	H: 84°/40°
		Min. Illumination	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)
		IR Distance	35m/50m	35m/50m
	General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
		Frame Rate	Thermal: 1280x960/XVGA/VGA/256x192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps	Thermal: 1280x960/XVGA/VGA/256x192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps
		Pan/Tilt Range	300 presets, Pan: 0° ~ 360°endless, Tilt:-15° ~ 90°	--
		Intelligent Video	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification, Auto Tracking, Smoking Detection	IVS, Fire detection & alarm, Cold/Hot spot trace, Human/Vehicle classification, Smoking Detection
		Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API
		Ingress Protection	IP66	IP67
		Working Environment	-30°C~+60°C	-30°C~+60°C
		Power	DC12V/PoE+, <24W	DC12V/PoE/ePoE, <12W

NETWORK THERMAL CAMERAS

Anti-corrosion Series

The Anti-corrosion Series is designed for projects with the long-lasting performance requirements in harsh environments. With anti-corrosion coating technology, and all products of this series have passed NEMA 4X test standard and can provide a high performance surveillance solution for highly corrosive environments such as salt water and salt-spray conditions.

⊕ KEY FEATURES

Advanced Sensors

Uncooled Vox Microbolometer, Sony 1/1.9" 2M CMOS

Superior Image

Together with Thermal and Starlight technology for monitoring in total darkness

Powerful Lens

Various lens configurations, powerful optical zoom (thermal and visible)





Advanced Intelligence

High accuracy IVS, long distance fire detection & alarm

NEMA 4X Report





NEMA 4X-rated anti-corrosion for long-lasting performance in corrosive environments

Anti-corrosion Series

	Model	TPC-ACPT8620C	TPC-ACPT8420C	TPC-ACPT8620B	TPC-ACPT8420B
Appearance					
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer
	Effective Pixels	640(H) x 512(V)	400(H) x 300(V)	640(H) x 512(V)	400(H) x 300(V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
	Lens	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)
	FOV-H	H: 31.6°~6.2° H: 21.0°~4.1° (Optional)	H: 19.3°~3.9° H: 12.9°~2.6° (Optional)	H: 31.6°~6.2° H: 21.0°~4.1° (Optional)	H: 19.3°~3.9° H: 12.9°~2.6° (Optional)
Visible	Image Sensor	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS
	Lens	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)
	FOV-H	H: 27.5°~0.9° H: 28.8°~0.5° (Optional)	H: 27.5°~0.9° H: 28.8°~0.5° (Optional)	H: 27.5°~0.9° H: 28.8°~0.5° (Optional)	H: 27.5°~0.9° H: 28.8°~0.5° (Optional)
	Min. Illumination	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)
Laser Range Finder (Optional)	Wavelength	1.57um(Eye safe)	1.57um(Eye safe)	--	--
	Effective Distance	50 ~ 5000m (164ft ~ 16404ft)	50 ~ 5000m (164ft ~ 16404ft)	--	--
	Accuracy	±2m	±2m	--	--
Laser Illuminator (Optional)	Wavelength	808±5nm	808±5nm	--	--
	Effective Distance	1000m (3281ft)	1000m (3281ft)	--	--
	Angle of Laser Beam	1°~ 30°	1°~ 30°	--	--
General	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
	Frame Rate	Thermal: 1280*1024 (default) 720P@1~25/30fps Visible: 1080P (default) 720P@1~25/30fps	Thermal: 1280*1024 (default) 720P@1~25/30fps Visible: 1080P (default) 720P@1~25/30fps	Thermal: 1280*1024 (default) 720P@1~25/30fps Visible: 1080P (default) 720P@1~25/30fps	Thermal: 1280*1024 (default) 720P@1~25/30fps Visible: 1080P (default) 720P@1~25/30fps
	Pan/Tilt Range	300 presets Pan: 0° ~ 360°endless Tilt:-60° ~ 45° Tilt:-60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt:-60° ~ 45° Tilt:-60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt:-60° ~ 45° Tilt:-60° ~ 60° (Optional)	300 presets Pan: 0° ~ 360°endless Tilt:-60° ~ 45° Tilt:-60° ~ 60° (Optional)
	Intelligent Video	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm
	Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API
	Ingress Protection	IP66	IP66	IP66	IP66
	Corrosion Protection	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
	Power	AC100V~300V, <150W	AC100V~300V, <150W	AC100V~300V, <100W	AC100V~300V, <100W

NETWORK THERMAL CAMERAS

Anti-corrosion Series

	Model	TPC-ACPT8620A	TPC-ACPT8420A	TPC-ACSD8620A	TPC-ACSD8420A
	Appearance				
Thermal	Image Sensor	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer	Uncooled Vox Microbolometer
	Effective Pixels	640(H) x 512(V)	400(H) x 300(V)	640(H) x 512(V)	400(H) x 300(V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
	Lens	35mm/60mm	35mm/60mm	25mm/35mm	25mm/35mm
	FOV-H	H: 17.2°/10.3°	H: 10.9°/6.5°	H: 24.6°/17.2°	H: 15.5°/10.9°
Visible	Image Sensor	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS
	Lens	6mm ~ 180mm	6mm ~ 180mm	6mm ~ 180mm	6mm ~ 180mm
	FOV-H	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°	H: 59° ~ 2.4°
	Min. Illumination	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.001Lux@F1.5 (Color) 0.0001Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)
	IR Distance	150m (492ft)	150m (492ft)	150m (492ft)	150m (492ft)
General	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
	Frame Rate	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps
	Pan/Tilt Range	300 presets Pan: 0° ~ 360°endless Tilt:-90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt:-90° ~ 40°	300 presets Pan: 0° ~ 360°endless Tilt:-10° ~ 90°	300 presets Pan: 0° ~ 360°endless Tilt:-10° ~ 90°
	Intelligent Video	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm
	Compatibility	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API
	Ingress Protection	IP66	IP66	IP66	IP66
	Corrosion Protection	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X
	Working Temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
Power	AC24V, <70W	AC24V, <70W	AC24V, <38W	AC24V, <38W	

NETWORK VIDEO RECORDERS



NETWORK VIDEO RECORDERS

Ultra AI Series

Ultra AI Series

The Ultra AI series which adopts the advanced GPU and industrial design delivers more powerful artificial intelligence performance. It is the best choice for large-scaled project. Featuring with face recognition, perimeter protection and metadata algorithm, it provides real-time event alarms, accurate and quick objects targeting for end-users.

⊕ KEY FEATURES

Scalable GPU

Powerful and scalable GPU design meets all kinds of projects

Perimeter Protection

Filters out false alarms caused by animals, rustling leaves, bright lights, etc. Improving alarm accuracysafety

Face Recognition



Supports record faces by structured data and real-time crosscheck with incredible accuracy to figure out the face with target features

Metadata

Attribute information extracted from target object, including human/huaman face/ motor vehicle/non-motor vehicle

Rich Feature

ANPR

Ultra AI Series		
Model	IVSS7024(DR)-16I	IVSS7024(DR)-8I
Appearance	 AI	 AI
Processor	Intel Quad Core CPU	Intel Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	256 channel	256 channel
Max Input/Record	512Mbps/384Mbps	512Mbps/384Mbps
Max Decoding	24ch@1080P	24ch@1080P
Display	3HDMI, 1VGA, LCD(optional)	3HDMI, 1VGA, LCD(optional)
Max HDD	24×10TB	24×10TB
RAID	0/1/5/10	0/1/5/10
eSATA/Mini SAS	1/2	1/2
Audio In/Out	1/1	1/1
Alarm In/Out	16/8	16/8
Ethernet	4 Gigabit Ports, 4 Gigabit Fiber Optical Interface	4 Gigabit Ports, 4 Gigabit Fiber Optical Interface
PoE	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V, Reduntant(optional) <144W(Without HDD)	AC100V~240V, Reduntant(optional) <120W(Without HDD)
Star Features	--	--
Artificial Intelligence		
Perimeter Protection by device	Up to 256 channel perimeter protection	Up to 128 channel perimeter protection
Face Recognition by device	Up to 256 channels face recognition with FD camera; Up to 96 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total	Up to 160 channels face recognition with FD camera; Up to 48 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total
Metadata by device	Metadata of Human face/Human body/ Motor Vehicle/Non-motor Vehicle	Metadata of Human face/Human body/ Motor Vehicle/Non-motor Vehicle
Image search	Search by face images	Search by face images
General Intelligence		
IVS by camera	--	--
Face Detection by camera	--	--
People Counting by camera	--	--
Heat Map by camera	--	--
ANPR by camera	Supported	Supported

NETWORK VIDEO RECORDERS

Ultra AI Series

Ultra AI Series

Model	IVSS7016(DR)-8I	IVSS7016(DR)-4I	IVSS7008-2I	IVSS7008-1I
Appearance	 AI	 AI	 AI	 AI
Processor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Dual Core CPU	Intel Dual Core CPU
Video Compression	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
IP Video Inputs	256 channel	256 channel	128 channel	128 channel
Max Input/Record	512Mbps/384Mbps	512Mbps/384Mbps	400Mbps/320Mbps	400Mbps/320Mbps
Max Decoding	24ch@1080P	24ch@1080P	20ch@1080P	20ch@1080P
Display	3HDMI, 1VGA, LCD(optional)	3HDMI, 1VGA, LCD(optional)	3HDMI, 2VGA	3HDMI, 2VGA
Max HDD	16x10TB	16x10TB	8x10TB	8x10TB
RAID	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10
eSATA/Mini SAS	1/2	1/2	1/--	1/--
Audio In/Out	1/1	1/1	1/2	1/2
Alarm In/Out	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports, 4 Gigabit Fiber Optical Interface	4 Gigabit Ports, 4 Gigabit Fiber Optical Interface	4 Gigabit Ports	4 Gigabit Ports
PoE	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V, Redundant(optional) <122W(Without HDD)	AC100V~240V, Redundant(optional) <110W(Without HDD)	AC100V~240V <43W(Without HDD)	AC100V~240V <40W(Without HDD)
Star Features	--	--	--	--
Artificial Intelligence				
Perimeter Protection by device	Up to 128 channel perimeter protection	Up to 64 channel perimeter protection	Up to 32 channel perimeter protection	Up to 16 channel perimeter protection
Face Recognition by device	Up to 160 channels face recognition with FD camera; Up to 48 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total	Up to 80 channels face recognition with FD camera; Up to 24 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total	Up to 40 channels face recognition with FD camera; Up to 12 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total	Up to 20 channels face recognition with FD camera; Up to 6 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total
Metadata by device	Metadata of Human face/Human body/ Motor Vehicle/Non-motor Vehicle		Metadata of Human face/Human body/ Motor Vehicle/Non-motor Vehicle	
Image search	Search by face images	Search by face images	Search by face images	Search by face images
General Intelligence				
IVS by camera	--	--	--	--
Face Detection by camera	--	--	--	--
People Counting by camera	--	--	--	--
Heat Map by camera	--	--	--	--
ANPR by camera	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Ultra Series

The Ultra Series is an ideal option for applications which require top-level performance and the highest reliability. A multi-core CPU and redundant design ensures stability while advanced intelligent features provide complex applications with intelligent video analytics.

⊕ KEY FEATURES

Powerful Processor

Multi-core Intel CPU provides high-performance processing

Industrial Design

High quality redundant-enabled design ensures high reliability and data safety

Rich Features

Fisheye dewarp, POS, ANPR, N+M fail-over

Advanced Intelligence

IVS and Face Detection ensure efficient surveillance

Ultra Series







16HDD Ultra 4K & H.265 NVR

Model	NVR616DR-128-4KS2	NVR616R-128-4KS2
Appearance	 H.265+	 H.265+
Processor	Intel Quad Core CPU	Intel Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	128 channel	128 channel
Max Input/Record	384Mbps/384Mbps	384Mbps/384Mbps
Max Decoding	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P
Display	2HDMI, 1VGA, LCD	2HDMI, 1VGA
Max HDD	16x8TB	16x8TB
RAID	0/1/5/10	0/1/5/10
eSATA/Mini SAS	1/1	1/1
Audio In/Out	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/8	16/8
Ethernet	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface
PoE	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V, Redundant <51W(Without HDD)	AC100V~240V, Redundant <51W(Without HDD)
Star Features	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M
Artificial Intelligence		
Perimeter Protection by camera	--	--
Face Recognition by camera	--	--
Metadata by camera	--	--
General Intelligence		
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion, Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported
People Counting by camera	Supported	Supported
Heat Map by camera	Supported	Supported
ANPR by camera	Supported	Supported

NETWORK VIDEO RECORDERS

Ultra Series

16HDD Ultra 4K & H.265 NVR

Model	NVR616D-128-4KS2	NVR616-128-4KS2	NVR616DR-64-4KS2	NVR616R-64-4KS2	NVR616D-64-4KS2	NVR616-64-4KS2
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU
Video Compression	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
IP Video Inputs	128 channel	128 channel	64 channel	64 channel	64 channel	64 channel
Max Input/Record	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps
Max Decoding	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P
Display	2HDMI, 1VGA, LCD	2HDMI, 1VGA	2HDMI, 1VGA, LCD	2HDMI, VGA	2HDMI, 1VGA, LCD	2HDMI, 1VGA
Max HDD	16x8TB	16x8TB	16x8TB	16x8TB	16x8TB	16x8TB
RAID	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10
eSATA/Mini SAS	1/1	1/1	1/1	1/1	1/1	1/1
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/8	16/8	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface
PoE	--	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <51W(Without HDD)	AC100V~240V <51W(Without HDD)	AC100V~240V, Redundant <51W(Without HDD)	AC100V~240V, Redundant <51W(Without HDD)	AC100V~240V <51W(Without HDD)	AC100V~240V <51W(Without HDD)
Star Features	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M
Artificial Intelligence						
Perimeter Protection by camera	--	--	--	--	--	--
Face Recognition by camera	--	--	--	--	--	--
Metadata by camera	--	--	--	--	--	--
General Intelligence						
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDER

Ultra Series

8HDD Ultra 4K & H.265 NVR

Model	NVR608R-128-4KS2	NVR608-128-4KS2	NVR608R-64-4KS2	NVR608-64-4KS2	NVR608-32-4KS2
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Dual Core CPU
Video Compression	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
IP Video Inputs	128 channel	128 channel	64 channel	64 channel	32 channel
Max Input/Record	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps
Max Decoding	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	4ch@4K/16ch@1080P	16ch@1080P
Display	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA
Max HDD	8x8TB	8x8TB	8x8TB	8x8TB	8x8TB
RAID	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10	0/1/5/10
eSATA/Mini SAS	1/-	1/-	1/-	1/-	1/-
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/8	16/8	16/8	16/8	16/8
Ethernet	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports
PoE	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V, Redundant <40W(Without HDD)	AC100V~240V <40W(Without HDD)	AC100V~240V, Redundant <40W(Without HDD)	AC100V~240V <40W(Without HDD)	AC100V~240V <40W(Without HDD)
Star Features	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M	Fisheye Dewarp, Smart Track, POS, N+M
Artificial Intelligence					
Perimeter Protection by camera	--	--	--	--	--
Face Recognition by camera	--	--	--	--	--
Metadata by camera	--	--	--	--	--
General Intelligence					
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Pro AI series

The Pro AI series is the best choice for mid to large-scaled AI solution which needs various kinds of AI applications. It adopts deep learning algorithms that primarily target people and vehicles, providing higher flexibility and accuracy for end-users.

Featuring perimeter protection, metadata and face recognition, it aims to provide potential risk prevention, real-time event alarm.

⊕ KEY FEATURES

Perimeter Protection

Filters out false alarms caused by animals, rustling leaves, bright lights, etc. Improving alarm accuracy

Face Recognition

Support record faces by structured data and real-time crosscheck with incredible accuracy to figure out the face with target features

Metadata

Attribute information extracted from target object, including human/human face/ Motor Vehicle/Non-motor Vehicle











Rich Features

ePoE&EoC, POS, P2P, ANPR

SkyHawk™ Health Management

- Actively protect the data safety
- Embedded software for prevention, intervention
- Drive parameter analysis for actions

Pro AI Series

Model	NVR5864-I	NVR5832-I	NVR5432-16P-I	NVR5216-16P-I	NVR5216-8P-I
Appearance	 	 	 	 	 
Processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	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
IP Video Inputs	64 channel	32 channel	32 channel	16 channel	16 channel
Max Input/Record	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Max Decoding	16ch@1080P	16ch@1080P	16ch@1080P	16ch@1080P	16ch@1080P
Display	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	8x8TB	8x8TB	4x8TB	2x8TB	2x8TB
RAID	--	--	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/6	16/6	16/6	4/2	4/2
Ethernet	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	--	16 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE & EoC, Max 150W	16 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE & EoC, Max 130W	8 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE & EoC, Max 130W
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 1 USB2.0	1USB3.0, 1 USB2.0	1USB3.0, 1 USB2.0
Power	AC100V ~ 240V <16.1W(Without HDD)	AC100V ~ 240V <16.1W(Without HDD)	AC100V ~ 240V <21.1W(Without HDD)	AC100V ~ 240V <16.5W(Without HDD)	AC100V ~ 240V <15.6W(Without HDD)
Star Features	POS, P2P	POS, P2P	POS, Plug & Play, P2P	POS, Plug & Play, P2P	POS, Plug & Play, P2P
Artificial Intelligence					
Perimeter Protection by device	Up to 16 channel perimeter protection	Up to 16 channel perimeter protection	Up to 16 channel perimeter protection	Up to 16 channel perimeter protection	Up to 16 channel perimeter protection
Face Recognition by device	Up to 16 channels face recognition with FD camera ; Up to 4 channels face recognition with normal camera; 20 face database with up to 100,000 face images in total				
Metadata by device	Metadata of Human face/Human body/Motor Vehicle/Non-motor Vehicle				
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
General Intelligence					
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change				
Face Detection by camera	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Pro Series

The Pro Series is a perfect choice for mid to large-scale business and projects where both high reliability and flexibility are required. Innovative H.265+ encoding technology and special features such as fisheye dewarp, ANPR, and POS further enhance surveillance monitoring.

⊕ KEY FEATURES

Powerful Processor

ARM Cortex A17 quad-core CPU delivers 4ch@4K / 16ch@1080P

H.265+

Advanced encoding saves up to 70% bandwidth and storage

Rich Features

Fisheye dewarp, POS, ANPR, P2P

Advanced Intelligence








IVS and Face Detection ensure efficient surveillance

SkyHawk™ Health Management

- Actively protect the data safety
- Embedded software for prevention, intervention
- Drive parameter analysis for actions

Pro Series

8HDD Professional 4K&H.265 NVR

Model	NVR5832-4KS2	NVR5816-4KS2	NVR5816-16P-4KS2E
Appearance	 	 	  
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	32 channel	16 channel	16 channel
Max Input/Record	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Max Decoding	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P
Display	2HDMI, 2VGA	2HDMI, 2VGA	2HDMI, 2VGA
Max HDD	8×10TB	8×10TB	8×10TB
RAID	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-
Audio In/Out	1/2, 2-way	1/2, 2-way	1/2, 2-way
Alarm In/Out	16/6	16/6	16/6
Ethernet	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port
PoE	--	--	16 Ports (IEEE802.3at/af) Max 150W 1-8 PoE ports support ePoE&EoC
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V <16.7W(Without HDD)	AC100V~240V <16.7W(Without HDD)	AC100V~240V <17.5W(Without HDD)
Star Features	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P, Plug & Play
Artificial Intelligence			
Perimeter Protection by camera	Supported	Supported	Supported
Face Recognition by camera	Supported	Supported	Supported
Metadata by camera	Supported	Supported	Supported
General Intelligence			
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported





SkyHawk Health Management (SHM) is drive health monitoring software co-developed in cooperation with Seagate.

NETWORK VIDEO RECORDERS

Pro Series

4HDD Professional 4K & H.265 NVR

2HDD Professional 4K & H.265 NVR

Model	NVR5432-4KS2	NVR5416-4KS2	NVR5424-24P-4KS2	NVR5416-16P-4KS2E	NVR5232-4KS2
Appearance	 	 	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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
IP Video Inputs	32 channel	16 channel	24 channel	16 channel	32 channel
Max Input/Record	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Max Decoding	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P
Display	2HDMI, 2VGA	2HDMI, 2VGA	2HDMI, 1VGA	2HDMI, 2VGA	1HDMI, 1VGA
Max HDD	4x10TB	4x10TB	4x10TB	4x10TB	2x10TB
RAID	--	--	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-	1/-	--
Audio In/Out	1/2, 2-way	1/2, 2-way	1/1, 2-way	1/2, 2-way	1/1, 2-way
Alarm In/Out	16/6	16/6	16/6	16/6	4/2
Ethernet	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	--	24 Ports (IEEE802.3at/af) Max 210W	16 Ports (IEEE802.3at/af) Max 150W 1-8 PoE ports support ePoE&EoC	--
USB	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
Power	AC100V~240V <16.7W(Without HDD)	AC100V~240V <16.7W(Without HDD)	AC100V~240V <18W(Without HDD)	AC100V~240V <17.5W(Without HDD)	DC12V/4A <9.5W(Without HDD)
Star Features	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P, Plug & Play	Fisheye Dewarp, POS, P2P, Plug & Play	Fisheye Dewarp, POS, P2P
Artificial Intelligence					
Perimeter Protection by camera	Supported	Supported	Supported	Supported	Supported
Face Recognition by camera	Supported	Supported	Supported	Supported	Supported
Metadata by camera	Supported	Supported	Supported	Supported	Supported
General Intelligence					
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Pro Series

2HDD Professional 4K & H.265 NVR

Model	NVR5216-4KS2	NVR5208-4KS2	NVR5224-24P-4KS2	NVR5216-16P-4KS2E	NVR5216-8P-4KS2E	NVR5208-8P-4KS2E
Appearance	 	 	 	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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
IP Video Inputs	16 channel	8 channel	24 channel	16 channel	16 channel	8 channel
Max Input/Record	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Max Decoding	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	2x10TB	2x10TB	2x10TB	2x10TB	2x10TB	2x10TB
RAID	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	4/2	4/2	4/2	4/2	4/2	4/2
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	--	24 Ports (IEEE802.3at/af) Max 210W	16 Ports (IEEE802.3at/af) Max 130W 1-8 PoE ports support ePoE&EoC	8 Ports (IEEE802.3at/af) Max 130W 1-8 PoE ports support ePoE&EoC	8 Ports (IEEE802.3at/af) Max 130W 1-8 PoE ports support ePoE&EoC
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
Power	DC12V/4A <9.5W(Without HDD)	DC12V/4A <9.5W(Without HDD)	AC100V~240V <16W(Without HDD)	AC100V~240V <15.2W(Without HDD)	AC100V~240V <14.5W(Without HDD)	AC100V~240V <14.5W(Without HDD)
Star Features	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P Plug & Play	Fisheye Dewarp, POS, P2P Plug & Play	Fisheye Dewarp, POS, P2P Plug & Play	Fisheye Dewarp, POS, P2P Plug & Play
Artificial Intelligence						
Perimeter Protection by camera	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition by camera	Supported	Supported	Supported	Supported	Supported	Supported
Metadata by camera	Supported	Supported	Supported	Supported	Supported	Supported
General Intelligence						
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

NETWORK VIDEO RECORDERS

Lite AI Series

The Lite AI series as the entry-level AI products has best cost performance. It is the first choice for SMB solutions. Featuring perimeter protection and face recognition, it aims to provide potential risk prevention, real-time event alarm.

⊕ KEY FEATURES

Perimeter Protection

Filters out false alarms caused by animals, rustling leaves, bright lights, etc. Improving alarm accuracy

Face Recognition

Support record faces by structured data and real-time crosscheck with incredible accuracy to figure out the face with target features.

Other Features





ePoE&EoC, P2P, ANPR

SkyHawk™ Health Management

- Actively protect the data safety
- Embedded software for prevention, intervention
- Drive parameter analysis for actions

Lite AI Series


Lite AI Series

Model	NVR4832-I	NVR4416-16P-I
Appearance	 	 
Processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	H.265+/H.264+	H.265+/H.264+
IP Video Inputs	32 channel	16 channel
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps
Max Decoding	8ch@1080P	8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	8x8TB	4x8TB
RAID	--	--
eSATA/Mini SAS	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/4	16/4
Ethernet	2 Gigabit Ports	1 Gigabit Port
PoE	--	16 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE&EoC Max 150W
USB	1 USB3.0, 2 USB2.0	1 USB3.0, 1 USB2.0
Power	AC100V ~ 240V <7.4W(Without HDD)	AC100V ~ 240V <8.2W(Without HDD)
Star Features	P2P	Plug & Play, P2P
Artificial Intelligence		
Perimeter Protection by device	Up to 4 channel perimeter protection	Up to 4 channel perimeter protection
Face Recognition by device	Up to 8 channels face recognition with FD camera ; Up to 2 channels face recognition with normal camera; 10 face database with up to 20,000 face images in total	Up to 8 channels face recognition with FD camera ; Up to 2 channels face recognition with normal camera; 10 face database with up to 20,000 face images in total
Metadata by device	--	--
Image search	Search by face images	Search by face images
General Intelligence		
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion, Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported
People Counting by camera	Supported	Supported
Heat Map by camera	Supported	Supported
ANPR by camera	Supported	Supported

NETWORK VIDEO RECORDERS

Lite AI Series

Lite AI Series

Model	NVR4432-I	NVR4216-16P-I	NVR4216-I	NVR4208-8P-I
Appearance				
Processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor	Multi-core embedded processor
Video Compression	H.265+/H.264+	H.265+/H.264+	H.265+/H.264+	H.265+/H.264+
IP Video Inputs	32 channel	16 channel	16 channel	8 channel
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps
Max Decoding	8ch@1080P	8ch@1080P	8ch@1080P	8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	4x8TB	2x8TB	2x8TB	2x8TB
RAID	--	--	--	--
eSATA/Mini SAS	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/4	4/2	4/2	4/2
Ethernet	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	16 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE&EoC Max 130W	--	8 Ports (IEEE802.3at/af) 1-8 PoE ports support ePoE&EoC Max 130W
USB	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	AC100V ~ 240V <7.0W(Without HDD)	AC100V ~ 240V <6.1W(Without HDD)	DC12V/4A <2.9W(Without HDD)	AC100V ~ 240V <6.0W(Without HDD)
Star Features	P2P	Plug & Play, P2P	P2P	Plug & Play, P2P
Artificial Intelligence				
Perimeter Protection by device	Up to 4 channel perimeter protection	Up to 4 channel perimeter protection	Up to 4 channel perimeter protection	Up to 4 channel perimeter protection
Face Recognition by device	Up to 8 channels face recognition with FD camera ; Up to 2 channels face recognition with normal camera; 10 face database with up to 20,000 face images in total		Up to 8 channels face recognition with FD camera ; Up to 2 channels face recognition with normal camera; 10 face database with up to 20,000 face images in total	
Metadata by device	--	--	--	--
Image search	Search by face images	Search by face images	Search by face images	Search by face images
General Intelligence				
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change		Tripwire, Intrusion, Abandoned/Missing, Scene Change	
Face Detection by camera	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported
ANPR by camera	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Lite H.265 Series

The Lite H.265 Series is designed for best cost performance and Dahua assured quality. The range supports innovative H.265+ encoding and energy saving techniques to help save on costs.

⊕ KEY FEATURES

Green-Tech

ARM Cortex 4K processor features enhanced power-saving capabilities

H.265+

Advanced encoding saves up to 70% bandwidth and storage

Wide Selection

Full range of high, middle, and entry-level products

Easy Setup




Plug & play installation, P2P, and smart app for carefree surveillance

SkyHawk™ Health Management

- Actively protect the data safety
- Embedded software for prevention, intervention
- Drive parameter analysis for actions













Lite H.265 Series

8HDD Lite 4K & H.265 NVR

Model	NVR4832-4KS2	NVR4816-4KS2	NVR4816-16P-4KS2
Appearance	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	32 channel	16 channel	16 channel
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps
Max Decoding	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	8x6TB	8x6TB	8x6TB
RAID	--	--	--
eSATA/Mini SAS	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/4	16/4	16/4
Ethernet	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port
PoE	--	--	16 Ports (IEEE802.3at/af) Max 150W
USB	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0
Power	AC100V~240V <12W(Without HDD)	AC100V~240V <12W(Without HDD)	AC100V~240V <14.1W(Without HDD)
Star Features	P2P	P2P	Plug & Play, P2P
Artificial Intelligence			
Perimeter Protection by camera	Supported	Supported	Supported
Face Recognition by camera	--	--	--
Metadata by camera	--	--	--
General Intelligence			
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported
ANPR by camera	--	--	--

NETWORK VIDEO RECORDERS

Lite H.265 Series















	4HDD Lite 4K & H.265 NVR			2HDD Lite 4K & H.265 NVR		
Model	NVR4432-4KS2	NVR4416-4KS2	NVR4416-16P-4KS2	NVR4232-4KS2	NVR4216-4KS2	NVR4208-4KS2
Appearance	 	 	 	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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
IP Video Inputs	32 channel	16 channel	16 channel	32 channel	16 channel	8 channel
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps
Max Decoding	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	4x6TB	4x6TB	4x6TB	2x6TB	2x6TB	2x6TB
RAID	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/4	16/4	16/4	4/2	4/2	4/2
Ethernet	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	--	16 Ports (IEEE802.3at/af) Max 150W	--	--	--
USB	1 USB3.0, 2 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
Power	AC100V~240V <11.7W(Without HDD)	AC100V~240V <11.7W(Without HDD)	AC100V~240V <13.7W(Without HDD)	DC12V/4A <6.9W(Without HDD)	DC12V/4A <6.9W(Without HDD)	DC12V/4A <6.9W(Without HDD)
Star Features	P2P	P2P	Plug & Play, P2P	P2P	P2P	P2P
Artificial Intelligence						
Perimeter Protection by camera	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition by camera	--	--	--	--	--	--
Metadata by camera	--	--	--	--	--	--
General Intelligence						
IVS by camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion, Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change	Tripwire, Intrusion Abandoned/Missing, Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported	Supported
ANPR by camera	--	--	--	--	--	--

NETWORK VIDEO RECORDERS

Lite H.265 Series

















2HDD Lite 4K & H.265 NVR

1HDD Compact 1U Lite 4K & H.265 NVR

Model	NVR4216-16P-4KS2	NVR4208-8P-4KS2	NVR4204-P-4KS2	NVR4108HS-4KS2	NVR4104HS-4KS2	NVR4108HS-8P-4KS2	NVR4104HS-P-4KS2
Appearance	 	 	 	 	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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	H.265+/H.265/H.264+/H.264
IP Video Inputs	16 channel	8 channel	4 channel	8 channel	4 channel	8 channel	4 channel
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	200Mbps/200Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	2x6TB	2x6TB	2x6TB	1x6TB	1x6TB	1x6TB	1x6TB
RAID	--	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	4/2	4/2	4/2	--	--	--	--
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1x100M Port	1x100M Port	1x100M Port	1x100M Port
PoE	16 Ports (IEEE802.3at/af) Max 130W	8 Ports (IEEE802.3at/af) Max 130W	4 Ports (IEEE802.3at/af) Max 50W	--	--	8 Ports (IEEE802.3at/af) Max 80W	4 Ports (IEEE802.3at/af) Max 50W
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	AC100V~240V <13.2W(Without HDD)	AC100V~240V <9.6W(Without HDD)	DC48V/2A <9W(Without HDD)	DC12V/2A <6.3W(Without HDD)	DC12V/2A <6.3W(Without HDD)	DC48V/2A <8.3W(Without HDD)	DC48V/1.5A <7.5W(Without HDD)
Star Features	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence							
Perimeter Protection by camera	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition by camera	--	--	--	--	--	--	--
Metadata by camera	--	--	--	--	--	--	--
General Intelligence							
IVS by camera	Tripwire, Intrusion, Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion, Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion, Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change
Face Detection by camera	Supported	Supported	Supported	Supported	Supported	Supported	Supported
People Counting by camera	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map by camera	Supported	Supported	Supported	Supported	Supported	Supported	Supported
ANPR by camera	--	--	--	--	--	--	--

















NETWORK VIDEO RECORDERS

Lite H.265 Series

	1HDD Smart 1U Lite 4K & H.265 NVR				2HDD Lite 4K & H.265 NVR			
Model	NVR4108-4KS2	NVR4104-4KS2	NVR4108-8P-4KS2	NVR4104-P-4KS2	NVR2208-4KS2	NVR2204-4KS2	NVR2208-8P-4KS2	NVR2204-P-4KS2
Appearance	 	 	 	 	 	 	 	 
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
IP Video Inputs	8 channel	4 channel	8 channel	4 channel	8 channel	4 channel	8 channel	4 channel
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P	2ch@8MP/8ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB
RAID	--	--	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	--	--	--	--	--	--	--	--
Ethernet	1x100M Port	1x100M Port	1x100M Port	1x100M Port	1x100M Port	1x100M Port	1x100M Port	1x100M Port
PoE	--	--	8 Ports (IEEE802.3at/af) Max 80W	4 Ports (IEEE802.3at/af) Max 50W	--	--	8 Ports (IEEE802.3at/af) Max 80W	4 Ports (IEEE802.3at/af) Max 50W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/2A <6.3W(Without HDD)	DC12V/2A <6.3W(Without HDD)	DC48V/2A <8.3W(Without HDD)	DC48V/1.5A <7.5W(Without HDD)	DC12V/2A <6.3W(Without HDD)	DC12V/2A <6.3W(Without HDD)	DC48V/2A <8.3W(Without HDD)	DC48V/1.5A <7.5W(Without HDD)
Star Features	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence								
Perimeter Protection by camera	Supported	Supported	Supported	Supported	--	--	--	--
Face Recognition by camera	--	--	--	--	--	--	--	--
Metadata by camera	--	--	--	--	--	--	--	--
General Intelligence								
IVS by camera	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	Tripwire, Intrusion Abandoned/Missing Scene Change	--	--	--	--
Face Detection by camera	Supported	Supported	Supported	Supported	--	--	--	--
People Counting by camera	Supported	Supported	Supported	Supported	--	--	--	--
Heat Map by camera	Supported	Supported	Supported	Supported	--	--	--	--
ANPR by camera	--	--	--	--	--	--	--	--






NETWORK VIDEO RECORDERS

Lite H.265 Series


	1HDD Lite 4K & H.265 NVR				1HDD Lite 4K & H.265 NVR			
Model	NVR2108HS-4KS2	NVR2104HS-4KS2	NVR2108HS-8P-4KS2	NVR2104HS-P-4KS2	NVR2108-4KS2	NVR2104-4KS2	NVR2108-8P-4KS2	NVR2104-P-4KS2
Appearance								
								
Processor	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU	ARM Quad Core CPU
Video Compression	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	H.265+/H.265 H.264+/H.264	H.265+/H.265 H.264+/H.264
IP Video Inputs	8 channel	4 channel	8 channel	4 channel	8 channel	4 channel	8 channel	4 channel
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB
RAID	--	--	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	--	--	--	--	--	--	--	--
Ethernet	1x100M Port	1x100M Port	1x1000M Port	1x100M Port	1x100M Port	1x100M Port	1x1000M Port	1x100M Port
PoE	--	--	8 Ports (IEEE802.3at/af) Max 80W	4 Ports (IEEE802.3at/af) Max 50W	--	--	8 Ports (IEEE802.3at/af) Max 80W	4 Ports (IEEE802.3at/af) Max 50W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/2A <3W(Without HDD)	DC12V/2A <3W(Without HDD)	DC48V/2A <5.8W(Without HDD)	DC48V/1.25A <5.3W(Without HDD)	DC12V/2A <3W(Without HDD)	DC12V/2A <3W(Without HDD)	DC48V/2A <5.8W(Without HDD)	DC48V/1.25A <5.3W(Without HDD)
Star Features	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence								
Perimeter Protection by camera	--	--	--	--	--	--	--	--
Face Recognition by camera	--	--	--	--	--	--	--	--
Metadata by camera	--	--	--	--	--	--	--	--
General Intelligence								
IVS by camera	--	--	--	--	--	--	--	--
Face Detection by camera	--	--	--	--	--	--	--	--
People Counting by camera	--	--	--	--	--	--	--	--
Heat Map by camera	--	--	--	--	--	--	--	--
ANPR by camera	--	--	--	--	--	--	--	--

DISPLAY & CONTROL


Monitors

Model	DHL19-F600	DHL22-F600-S	DHI-LM24-F211	LM28-S400	LM55-S400
Appearance					
Screen Size	19.5"(16:9)	21.5"(16:9)	23.8"(16:9)	28"(16:9)	55"(16:9)
Resolution	1600×900	1920×1080	1920×1080	3840×2160	3840×2160
Brightness	200cd/m ²	200cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²
Contrast Ratio	1000:1	1000:1	1000:1	1000:1	5500:1
Viewing Angle	H 170°, V 160°	H 178°, V 178°	H 178°, V 178°	H 170°, V 160°	H 178°, V 178°
Response Time	5ms	15ms	14ms	5ms	6ms
Display Color	8bit	8bit	8bit	10bit	10bit
Input	1 VGA	1 VGA, 1 HDMI 1 Audio	1 VGA, 1 HDMI 1 Audio	2 HDMI, 1 DP, 1 VGA 1 USB, 1 BNC (CVBS), 1 Audio	1 DP, 2 HDMI, 1 VGA 1 USB, 1 Audio, 1 RS232
Output	--	2 Speakers	2 Speakers	1 BNC (CVBS), 2 Speakers	1 RS232, 2 Speakers
Control	Physical Button	Physical Button	Physical Button	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+40°C(+32°F~+104°F)	0°C~+40°C(+32°F~+104°F)	0°C~+40°C(+32°F~+104°F)	0°C~+40°C(+32°F~+104°F)	0°C~+40°C(+32°F~+104°F)
Working Humidity	10~85%	10~85%	10~85%	20~90%	10~85%
Power	AC100~240V(+/-10%), 25W	AC100~240V(+/-10%), 25W	AC110~240V, 29W	AC100~240V(+/-10%), 40W	AC100~240V(+/-10%), 170W
Border Width	16.7mm(U/L/R), 25mm(B)	13.5mm(U/L/R), 19mm(B)	2.2mm(U/L/R), 18.3mm(B)	19.0mm(L/R), 19.1mm(U), 27.2mm(B)	8mm (U/L/R/B)
Dimensions (without base)	467.0×283.0×51.5mm (18.4"×11.1"×2.0")	502.8×299.78×47.6mm (19.8"×11.5"×1.9")	540.6×322.6×50.1mm (21.3"×12.7"×2.0")	662.0×390.5×50.0mm (26.1"×15.4"×2.0")	1227.2×699.6×65.0mm (48.3"×27.5"×2.6")
Net Weight	3.8kg(8.4lb)	3.2kg(7.1lb)	3.7kg(8.2lb)	6.65kg(14.7lb)	25.2kg(55.6lb)

DISPLAY & CONTROL

Controllers	
Model	M70-4U-E
Appearance	
Screen Quantity	60 Screens
Splicing Control	Zoom/Merge/Roam/Overlay
Card Slots	1 Main slot, 1 Control slot and 10 service slots
Max Encoding	80CH@1080P/320CH@D1
Max Decoding	80CH@4K/320CH@1080P/720CH@720P/1500CH@D1
Local Video Input	DVI/HDMI/VGA/BNC/HDCVI/HD-SDI
Network Video Input	IPC/DVR/NVR/VNC, etc.
Video Output	DVI/HDMI
Intercom	1/1 3.5mm jack(For intercom)
Processor	64 bit quad core processor
Bus	PCI-E, Ethernet
Case	4U 19"
Ethernet	6 RJ-45 ports(10/100/1000M), 2 in mainboard and 4 in control board
USB	3 USB2.0, 1 USB3.0
Power	AC100~240V
Control Mode	WEB/Local GUI/Video Platform/Network Keyboard/iPad
Highlights	4K & H.265 decoding, more powerful decoding capacity in one output, Fisheye dewarp

Decoders			
Model	NVD0105DH-4K	NVD0905DH-4I-4K	NVD1205DH-4I-4K
Appearance			
Screen Quantity	1 Screen	9 Screens	12 Screens
Splicing Control	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Split Mode	1/4/9/16/25/36/64	1/4/9/16	1/4/9/16
Max Decoding	3CH@12MP(25fps)/4CH@4K(30fps)/16CH@1080P(30fps)/8CH@1080P(60fps)/36CH@720P(30fps)/64CH@D1(30fps)	9CH@12MP(25fps)/12CH@4K/48CH@1080P/108CH@720P/144CH@D1	12CH@12MP(25fps)/16CH@4K/64CH@1080P/144CH@720P/192CH@D1
Local Video Input	--	2CH HDMI, 2CH DVI-I	2CH HDMI, 2CH DVI-I
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI/VGA	HDMI(DVI with convertor)	HDMI(DVI with convertor)
Audio Out	HDMI	HDMI	HDMI
Alarm In/Out	4/4(30VDC 1A, 125VAC 0.5A, Relay output)	4/4(30VDC 1A, 125VAC 0.5A, Relay output)	2/1(30VDC 1A, 125VAC 0.5A, Relay output)
Intercom	1 Pair RCA	1 Pair 3.5mm Jack	1 Pair 3.5mm Jack
Processor	Intel x86 processor	Intel x86 processor	Embedded processor
Case	1U 19"	1.5U 19"	2.5U 19"
Ethernet	1 RJ-45 port (10/100/1000M, self-adaptive)	2 RJ-45 ports (10/100/1000M)	2 RJ-45 ports (10/100/1000M)
USB	2 USB2.0	1 USB2.0, 1 USB3.0	1 USB2.0, 2 USB3.0
Power	DC12V/3.3A	AC100~240V, 50 Hz~60Hz	AC 100V~127V, 200V~240V 47Hz~63Hz
Control Mode	WEB/Local GUI/Video Platform/Network keyboard/iPad	WEB/Video Platform/Network keyboard/iPad	WEB/Video Platform/Network keyboard/iPad
Highlights	4K & H.265 & H.265+ decoding, Fisheye dewarp, Support the display of intelligent regular line	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection

Keyboards	
Model	NKB5000(-F)
Appearance	
Control Mode	Direct mode, Network mode
Control Interface	2 RJ-45 port (10/100/1000M), Wi-Fi, RS232, RS485
DVR/NVR Protocol	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc
Max Users	No limit(Each can manage up to 30,000 channels)
Screen	10.1" TFT LCD touch screen (1280x800)
Local Split Display Mode	1/4/9/16
Video Output	4CH HDMI
Local Decoding	4CH@4K/16CH@1080P
Intercom	1 Pair
Joystick	4-axis(zoom, focus, iris)
Main Processor	Dual-core Braswell Processor
Operation System	Embedded LINUX 4.2.0
USB	2 USB3.0 + 2 USB2.0
Power	DC12V, 4A
Highlights	All touch screen, 4K&H.265 decoding, Control NVR, DVR, EVS, Decoder, Matrix, Platform, Local visible control






TRANSMISSION

PoE Switches

Desktop PoE Switch



Model	PFS3005-4ET-60	PFS3006-4ET-60	PFS3008-8ET-60	PFS3009-8ET-96	PFS3010-8ET-96	PFS4218-16ET-190/240	PFS4226-24ET-240/360
Appearance							
Fast/Gigabit Ethernet	4FE PoE+1FE	4FE PoE+2FE	4FE PoE+4FE	8 FE PoE + 1FE	8 FE PoE + 2GE	16FE PoE+2GE (Combo)	24FE PoE+2GE (Combo)
SFP Slots	--	--	--	--	--	2GE SFP (Combo)	2GE SFP (Combo)
Switching Capacity	1Gbps	1.8Gbps	1.8Gbps	1.8Gbps	5.6Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	744Kpps	890Kpps	1.19Mpps	1.34Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	448Kb	768Kb	768Kb	768Kb	4Mb	2.75Mb	2.75Mb
MAC Table Size	1K	2K	2K	2K	16K	4K	4K
PoE Standard	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE
PoE Budget	60W	60W	60W	96W	96W	190W/240W	240W/360W
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
VLAN	--	--	--	--	--	Supported	Supported
Link Aggregation	--	--	--	--	--	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	--	--	Supported	Supported
Management	--	--	--	--	--	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV Differential Mode 1KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)
Dimensions(WxDxH)	130mm×85mm×26mm (5.1"×3.3"×1.0")	130mm×85mm×26mm (5.1"×3.3"×1.0")	190mm×100mm×30mm (7.5"×3.9"×1.2")	190mm×100mm×30mm (7.5"×3.9"×1.2")	190mm×100mm×30mm (7.5"×3.9"×1.2")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")

PoE Switches







	Hardened PoE Switch					Flat PoE Switch
Model	PFS3103-1GT1ET-60	PFS3106-4ET-60	PFS3110-8ET-96	PFS3211-8GT-120	PFS3409-4GT-96	PFS3111-8ET-96-F
Appearance						
Fast/Gigabit Ethernet	1FE PoE+1GE PoE	4FE PoE+1GE	8FE PoE+1GE	8GE PoE+1GE	4GE PoE+1GE	8EF PoE+2GE
SFP Slots	1GE SFP	1GE SFP	1GE SFP	2GE SFP	4GE SFP	1GE SFP
Switching Capacity	6.8Gbps	6.8Gbps	7.6Gbps	33Gbps	33Gbps	13.6Gbps
Packet Forwarding Rate	3.12Mpps	3.57Mpps	4.17Mpps	16.37Mpps	13.39Mpps	5.65Mpps
Packet Buffer Memory	2Mb	1Mb	1Mb	1.75Mb	1.75Mb	2Mb
MAC Table Size	8K	8K	8K	4K	4K	8K
PoE Standard	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE
PoE Budget	60W	60W	96W	120W	96W	96W
Long Distance PoE Transmission	--	--	--	--	--	Port1-4 (250 meters)
VLAN	--	--	--	--	--	--
Link Aggregation	--	--	--	--	--	--
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	--	--	--
Management	--	--	--	--	--	--
Lightning Protection	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
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 ~ +65°C (-22°F~+149°F)	-30°C ~ +65°C (-22°F~+149°F)	-30°C ~ +65°C (-22°F~+149°F)
Dimensions(WxDxH)	105mm×75mm×30mm (4.1"×3.0"×1.2")	150mm×100mm×30mm (5.9"×3.9"×1.2")	150mm×100mm×42mm (5.9"×3.9"×1.7")	150mm ×100mm×42mm (5.9"×3.9"×1.7")	150mm ×100mm ×42mm (5.9"×3.9"×1.7")	158mm ×130mm ×25mm (6.2"×5.1"×1.0")

TRANSMISSION

PoE Switches

	Industrial PoE Switch			All-Gigabit PoE Switch		
Model	PFS4207-4GT-DP	PFS4210-8GT-DP	PFS4410-6GT-DP	PFS4210-8GT-150	PFS4218-16GT-190/240	PFS4226-24GT-240/360
Appearance						
Fast/Gigabit Ethernet	4GE PoE+1GE	8GE PoE	6GE PoE	8GE PoE	16GE PoE	24GE PoE
SFP Slots	2GE SFP	2GE SFP	4GE SFP	2GE SFP	2GE SFP	2GE SFP
Switching Capacity	14Gbps	28Gbps	28Gbps	20Gbps	52Gbps	52Gbps
Packet Forwarding Rate	10.42Mpps	14.88Mpps	14.88Mpps	14.88Mpps	23.81Mpps	38.688Mpps
Packet Buffer Memory	1.75Mb	4Mb	4Mb	4.1Mb	4Mb	4Mb
MAC Table Size	4K	8K	8K	8K	8K	8K
PoE Standard	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE
PoE Budget	≤120W	≤120W	≤120W	150W	190W/240W	240W/360W
Long Distance PoE Transmission	--	--	--	--	--	--
VLAN	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	Supported	Supported
Management	Web	Web	Web	Web	Web	Web
Lightning Protection	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV
Working Temperature	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	0°C ~ +45°C (32°F ~ +113°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions(WxDxH)	103mm×135mm×53mm (4.1"×5.3"×2.1")	175mm×126mm×53mm (6.9"×5.0"×2.1")	175mm×126mm×53mm (6.9"×5.0"×2.1")	340mm×200mm×44mm (13.4"×7.9"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")

PoE Switches



	All-Gigabit PoE Switch		ePoE Switch			
Model	PFS4420-16GT-240	PFS4428-24GT-370	PFL2106-4ET-96	LR2110-8ET-120	LR2218-16ET-240	LR2226-24ET-360
Appearance						
Fast/Gigabit Ethernet	16GE PoE	24GE PoE	4FE ePoE+ 1GE	8FE ePoE+ 1GE	8FE ePoE+ 8FE PoE+ 2GE Combo	8FE ePoE+ 16FE ePoE+ 2GE Combo
SFP Slots	4GE SFP	4GE SFP	1 GE SFP	1 GE SFP	2 GE SFP	2 GE SFP
Switching Capacity	40Gbps	56Gbps	6.8Gbps	8.8Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	29.76Mpps	41.66Mpps	3.57Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	4.1Mb	4.1Mb	1Mb	2.75Mb	2.75Mb	2.75Mb
MAC Table Size	8K	8K	8K	4K	4K	4K
PoE Standard	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE	PoE (802.3af) PoE+ (802.3at) Hi-PoE
PoE Budget	240W	370W	96W	120W	240W	360W
Long Distance PoE Transmission	--	--	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)
VLAN	Supported	Supported	--	--	Supported	Supported
Link Aggregation	Supported	Supported	--	--	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	--	--	Supported	Supported
Management	Web	Web	--	--	Web	Web
Lightning Protection	Common Mode 2KV	Common Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	0°C ~ +45°C (32°F ~ +113°F)	0°C ~ +45°C (32°F ~ +113°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions(WxDxH)	440mm x330mm x44mm (17.3"x13.0"x1.7")	440mm x330mm x44mm (17.3"x13.0"x1.7")	150mmx100mmx30mm (5.9"x3.9"x1.2")	150mmx100mmx42mm (5.9"x3.9"x1.7")	440mmx300mmx44mm (17.3"x11.8"x1.7")	440mmx300mmx44mm (17.3"x11.8"x1.7")

TRANSMISSION



Aggregation Switch

Model	PFS5424-24T	PFS5428-24GT	PFS5924-24X	S5500-24GF4XF	S5500-48GT4GF	S5500-48GT4XF
Appearance						
Fast/Gigabit Ethernet	20GE+4GE (Combo)	24GE	8GE (Combo)	8GE(Combo)	48GE	48GE
SFP Slots	4GE SFP(Combo)	4x10G SFP+	16GE SFP+8GE SFP(Combo)	16GE SFP+8GE SFP(Combo)+ 4x10G SFP+	4GE SFP	4x10G SFP+
Switching Capacity	350G	128G	350G	256Gbps	256Gbps	256Gbps
Packet Forwarding Rate	36Mpps	96Mpps	36Mpps	96Mpps	78Mpps	132Mpps
VLAN	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported
Port Management	Flow Control, Speed Limit Port Mirroring	Flow Control, Speed Limit Port Mirroring	Flow Control, Speed Limit Port Mirroring	Flow Control, Speed Limit Port Mirroring	Port Mirroring	Port Mirroring
Ring Network Protocol	STP, RSTP, ERPS	STP, RSTP, ERPS	STP, RSTP, ERPS	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
IGMP Snooping	Supported	Supported	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported	Supported	Supported
Dynamic Routing	--	--	--	--	--	--
VRRP	--	--	--	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	-10°C~+55°C (14°F~+131°F)	-20°C~+55°C (-4°F~+131°F)	-10°C~+55°C (14°F~+131°F)	0°C ~ +45°C (32°F~+113°F)	0°C ~+45°C (32°F~+113°F)	0°C ~+45°C (32°F~+113°F)
Dimensions	440mm×285mm×44.5mm (17.3"×11.2"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×285mm×44.5mm (17.3"×11.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")

TRANSMISSION






Core Switch		
Model	S7602	S7606
Appearance		
Switching Capacity	5.12 Tbps or 12.8 Tbps	15.36Tbps/25.6Tbps
Packet Forwarding Rate	960 Mpps/2400 Mpps	2880 Mpps/12000 Mpps
Number of Service Slots	2	6
Redundancy Design	Redundancy of power sources and main control boards	Redundancy of power sources and main control boards
Layer 2 Features	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc
IPv4 Routing	Supported	Supported
IPv6 Routing	Supported	Supported
Multicast	Supported	Supported
ACL	Supported	Supported
QoS	Supported	Supported
Security Mechanism	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON
Reliability	CPU Protec on/VRPP/RPR/DLCP	CPU Protec on/VRPP/RPR/DLCP
Working Temperature	0°C ~ +45°C (32°F~+113°F)	0°C ~ +45°C (32°F~+113°F)
Dimensions (WxDxH)	436mm×420mm×175mm (17.2"×16.5"×6.9")	436mm×420mm×575mm (17.2"×16.5"×22.6")

PoE Midspans		PoE Extenders	
Model	PFT1200	TAM01GT01GT-75W	PFT1300
Appearance			
Fast/Gigabit Ethernet	2GE	2GE	3FE
SFP Slots	--	--	--
Switching Capacity	--	--	1.4G
Packet Forwarding Rate	--	--	0.47Mpps
Packet Buffer Memory	--	--	512Kb
MAC Table Size	--	--	1K
PoE Standard	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at), Hi-PoE	PoE (802.3af) PoE+ (802.3at)
PoE Budget	60W	75W	--
PoE PIN Assignment	1, 2, 4, 5(V+), 3, 6, 7, 8(V-)	--	4, 5(V+), 7, 8(V-)
Lightning Protection	Common Mode 4KV Differential Mode 2KV	--	Common Mode 4KV Differential Mode 2KV
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)
Dimensions	150×70×39mm (5.9"×2.8"×1.5")	210 x75 x38.5mm (8.3"×2.9"×1.5")	79×52×23mm (3.1"×2.0"×0.9")




Ethernet over Coax		
Model	LR1002	LR1002-1ET/LR1002-1EC
Appearance		
Interface	1FE+1*BNC	1FE+1*BNC
Transmission Bandwidth	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps
PoE Standard	(Based on the power input from the ePoE switch)	PoE (802.3af) PoE+ (802.3at)
Lightning Protection	Common Mode 6KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C~+65°C(-40°F~+149°F)	-30°C~+65°C(-22°F~+149°F)
Dimensions(WxDxH)	56mm×27mm×21mm(2.2"×1.1"×0.8")	79mm×52mm×23mm(3.1"×2.0"×0.9")





TRANSMISSION




Outdoor Wireless Transmission Device

	5G Wireless CPE			5G Wireless AP	
Model	PFM881	PFM881-L	PFM886-15	PFM880	PFM880E
Appearance					
Fast/Gigabit Ethernet	2FE	2FE	1GE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n	IEEE802.11a/n/ac
Working Frequency	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	867Mbps	300Mbps	867Mbps
Transmission Distance	0-3Km(0-9.8K)	0-1.5km(0-4.9K)	0-15Km(0-49.2K)	0-3Km(0-9.8K)	0-3Km(0-9.8K)
Antenna Gain	15dBi	12dBi	23dBi	16dBi	17dBi
Polarization	Dual Linear: Horizontal 40° vertical 15°	Dual Linear: Horizontal 35° vertical 35°	Dual Linear: Horizontal 10° vertical 10°	Dual Linear: Horizontal 90° vertical 9°	Dual Linear: Horizontal 90° vertical 9°
Tx Power Max	27dBm	24dBm	27dBm	30dBm	27dBm
Proprietary Protocol	TDMA	TDMA	TDMA	TDMA	TDMA
Network Security	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering	WPA/WPA2, Hide SSID IP/MAC Filtering
Management	Web	Web	Web	Web	Web
Lightning Protection	--	--	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Working Temperature	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ + 70°C (-22°F ~ +158°F)	-30°C ~ + 70°C (-22°F ~ +158°F)
Dimensions(WxDxH)	270mm×83mm×50mm (10.6"×3.3"×2.0")	140mm×92mm×31.8mm (5.5"×3.6"×1.3")	240mm×Ø373mm (Ø9.4"×14.7")	265mm×265mm×87.5mm(Device) (10.4"×10.4"×3.4") 450mm×140mm×35mm(Antenna) (17.7"×5.5"×1.4")	265mm×265mm×87.5mm(Device) (10.4"×10.4"×3.4") 450mm×166mm×60mm(Antenna) (17.7"×6.5"×2.4")
Power	Passive PoE (24V/0.5A)	Passive PoE (24V/0.5A)	PoE+ (802.3at)	12- 24V DC Passive PoE	12- 24V DC Passive PoE


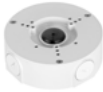

ACCESSORIES




PF83230-A180		
		
Model	PFA150	PFA151
Mount	Pole mount	Corner mount

PFW8x-A180 Series			
			
Model	PFA120	PFA150	PFA151
Mount	Junction box	Pole mount	Corner Mount

HFWxxE(-Z), TPC-BF5x(-T) TPC-BF2221(-T) Series		
		
Model	PFA121	PFA121+PFA152-E
Mount	Junction box	Pole mount

HFxxE, HFxxF Series			
			
Model	PFB110W	PFB121W	PFH610V/H+PFB604W
Mount	Wall/Ceiling/Plane mount	Wall mount	Housing

HFWxxT Series		
		
Model	PFA130-E	PFA130-E+PFA152-E
Mount	Junction box	Pole mount

HFWxxS Series		
		
Model	PFA134	PFA134+PFA152-E
Mount	Junction box	Pole mount

PSD8xxx Series		
		
Model	PFA710+PFB710W	PFA710+PFB710C
Mount	Wall mount	Ceiling mount

PDBW Series		
		
Model	PFA111+PFB303W	PFA111+PFB300C
Mount	Wall mount	Ceiling mount

ACCESSORIES

PSDW5xxx Series			PDB4830-B360				
							
Model	PFA102+PFB303W	PFA102+PFB300C	Model	PFA138	PFA101+PFB302S	PFA101+PFB302S+PFA152-E	PFA101+PFB300C
Mount	Wall mount	Ceiling mount	Mount	Junction box	Wall mount	Pole mount	Ceiling mount

PDBW5831-B360			EBW Series				
							
Model	PFA108+PFA111+PFB303W	PFA108+PFA111+PFB300C	Model	PFA132-E	PFA100+PFB302S	PFA100+PFB302S+PFA152-E	PFA100+PFB300C
Mount	Wall mount	Ceiling mount	Mount	Junction box	Wall mount	Pole mount	Ceiling mount

EB, HDBxxC Series				EB Series			
							
Model	PFA136	PFB203W	PFB203W+PFA152-E	Model	PFB203W	PFB203W+PFA152-E	PFB110W
Mount	Junction box	Wall mount	Pole mount	Mount	Wall mount	Pole mount	Ceiling mount

HDBWxxE-Z Series						
						
Model	PFA138	PFB210W	PFB210W+PFA152-E	PFA101+PFB300C	PFB201C	
Mount	Junction box	Wall mount	Pole mount	Ceiling mount	In-ceiling mount	

ACCESSORIES

HDBWxxR Series						
						
Model	PFA137	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C	PFB200C	PFA200W
Mount	Junction box	Wall mount	Pole mount	Ceiling mount(extensible)	In-ceiling mount	Rain shade



HDBWxxE, HDBWxxE-ASE Series				
				
Model	PFA136	PFB203W	PFB203W+PFA152-E	PFA136+PFA200W
Mount	Junction box	Wall mount	Pole mount	Rain shade

HDWxxR-Z, HDWxxH, HDWxxS Series				
				
Model	PFA130-E	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount(extensible)



HDWxxEM, HDWxxTM Series			
			
Model	PFA130-E	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

HDBWxxF Series			
			
Model	PFA139	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

ACCESSORIES

SD8A Series							
							
Model	PFB306W	PFB310W	PFB306W+PFA120	PFA118+PFB301C	PFA150	PFA151	
Mount	Wall mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner Mount	

SD65F/60/6AE/6AL/ TPC-SD8x20(-T) Series								
								
Model	PFA111+PFB303W	PFB310W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

SD6CE/5A/49 Series								
								
Model	PFB305W	PFB310W	PFB305W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

SD59/50/40 Series							
							
Model	PFA110+PFB300S	PFA110+PFB300S+PFA120	PFA110+PFB300C	PFA150	PFA151	PFA140	PFA110+PFB303S
Mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

ACCESSORIES






SD6CE/49 Series								
								
Model	PFB305W	PFB310W	PFB305W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

SD42 Series				
				
Model	PFA102+PFB302S	PFA102+PFB302S+PFA150	PFA102+PFB302S+PFA151	PFA102+PFB300C
Mount	Wall mount	Pole mount	Corner Mount	Ceiling mount






SD29 Series				
 				
Model	PFA103+PFB302S	PFA103+PFB302S+PFA150	PFA103+PFB302S+PFA151	PFA103+PFB300C
Mount	Wall mount	Pole mount	Corner Mount	Ceiling mount

SD22 Series					SD1A/12 Series			
								
Model	PFA137	PFB203W	PFB203W+PFA152-E	PFB200C	Model	PFA13F	PFA107+PFB305W	PFA107+PFB220C
Mount	Junction box	Wall mount	Pole mount	In-ceiling mount	Mount	Junction box	Wall mount	Ceiling mount (extensible)







ACCESSORIES





	Housings				SD Cards
Model	PFH610V Series	PFH610A Series	PFH610E Series	PFH610N-IR-W	PFM11x Series
Appearance					
Description	Aluminum & PC N/A/Heater, cooler/Heater, cooler, IR/Heater, cooler, IR, POE IP67, IK10 DC12V/AC24V in 404×164×132mm(15.9"×6.45"×5.2")	Aluminum & PC N/A/Heater, cooler/Heater, cooler, IR/Heater, cooler, IR, POE IP67, IK10, NEMA 4X DC12V/AC24V in 404×164×132mm(15.9"×6.45"×5.2")	Aluminum & PC Heater, cooler/Heater, cooler, IR IP67, IK10, NEMA 4X AC110/220 in 404×164×132mm(15.9"×6.45"×5.2") -65°C~+55°C	Aluminum & PC Heater, cooler, wiper, IR IP66 AC24V, 5A in 404×164×175mm (15.9"×6.45"×6.89")	Brand: Dahua Property/Speed: Class 10 (reading: 90MB/s, writing: 20MB/s) Storage capacity: 16/32/64/128/256GB









	Lenses						Testers	
Model	PLZ1040-D	PFL0550-E6D	PLZ20C0-D	PLZ21C0-D	PFL1575-A12D	PFL2070-J12M	PFM900-E	PFM907
Appearance								
Description	Image size: 1/2.7" Aperture: F1.6 Focus length: 2.7-12mm Mount: CS Resolution: 4MP	Image size: 1/2.7" Aperture: F1.6 Focus length: 5-50mm Mount: CS Resolution: 6MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 3.7-16mm Mount: CS Resolution: 12MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 10.5-42mm Mount: CS Resolution: 12MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 15-75mm Mount: C Resolution: 12MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 20-70mm Mount: M43 Resolution: 12MP	For IPC, HDCVI, TVI, AHD analog camera TDR, analog video generator Digital multimeter, data monitor PoE+, DC12V/2A output	For Wifi, IPC, HDCVI, TVI, AHD, analog camera TDR, analog video generator Wifi test, Digital multimeter OPM, data monitor PoE+, DC12V/2A, USB5V/2A output

	Pickups				
Model	HAP100	HAP120	HAP200	HAP320	HAP320-V
Appearance					
Description	Input DC12V Scope: 5-40m ² Sensitivity: -40dB 63×30×22mm (2.48"×1.18"×0.87")	Input DC12V Scope: 10-70m ² Sensitivity: -34dB Φ40mm×20mm(Φ1.57"×0.79")	Input DC12V Scope: 10-100 m ² Sensitivity: -30dB 79.6×79.6×21.5mm(3.13"×3.13"×0.85")	Input DC12V Scope: 10-150m ² Sensitivity: -35dB Φ80mm×20mm(Φ3.15"×0.79")	Input DC12V Scope: 5-100m ² Sensitivity: -24dB Φ80mm×23.5mm(Φ3.15"×0.93")

ACCESSORIES

	Network Cables					Video Extensions
Model	PFM920I-5EUN-N	PFM920I-6UN-N	PFM920I-5EUN	PFM920I-6UN-C/U	PFM923I-6UN-C	PFM700-4K
Appearance						
Description	UTP CAT5E Cable Conductor: OFC Jacket: PVC, 4.7mm Color: white Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC Jacket: PVC, 6.0mm Color: white Length: 305m(1000.7ft)	UTP CAT5E Cable Conductor: OFC Jacket: PVC(CPR), 4.7mm Color: white Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC Jacket: PVC(CPR/UL), 6.0mm Color: white Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC Jacket: LSZH(CPR), 6.0mm Color: white Length: 305m(1000.7ft)	HDMI Extender DC24V for transmitter 4K/40m,1080P/80m Transmit 1-CH HDMI via UTP

	Cablings								
Model	PFM972 Series	PFM970 Series	PFM971 Series	PFM973M Series	PFM974	PDU	PFC610 Series	PFC200D-6U4D	PFC200D-42U8D
Appearance									
Description	UTP CAT5E/6 Patch Cord Conductor: OFC Jacket: PVC, 5.3mm/6.0mm Color: yellow Length: 1m/2m/3m (3.28ft/6.56ft/9.84ft)	UTP CAT5E/6 Information Module	1-Port/2-Port Network Wall Plate	24-port UTP CAT5E/6 Rackmount Patch Panel	19" Rackmount Cable Management	8 Outlet Rackmount PDU Power Strip	19" Rackmount Tray Load bearing: 40kg(88.18lb)	19" 6U Rack Cabinet Supports wall & plane mount Depth: 450mm(17.72") Load bearing: 40kg(88.18lb)	19" 42U Rack Cabinet Supports plane mount Depth: 800mm(31.5") Load bearing: 300kg(661.39lb)

	Power Adapters				Distributed Power Supplies		UPS	
Model	PFM321D Series	PFM321	PFM320D-015	PFM300	PFM320S Series	PFM34x Series	PFM350 Series	PFM351R Series
Appearance								
Description	AC90~264V input DC12V, 1A output -30°C~+70°C CE/FCC/UL/PSE/CCC	AC90~264V input DC12V, 1A output -10°C~+55°C CE/FCC/UL/CCC	AC90~264V input DC12V, 1.5A output -30°C~+70°C Perfect with PFA12X series(IP66)	AC180~264V input DC12V, 2A output -30°C~+70°C Structural water-proof	AC90~264V/AC88~132V &176~264V input DC12V 50W/150W & DC24V, 75W output	5/9/19 Channel AC90~264V input DC12V 4A/5A/10A/20A output	Line-Interactive 600VA/360W 1500VA/900W 2-6ms transfer time	Smart Online 1000VA/900W 3000VA/2700W 0ms transfer time

ACCESSORIES

Solar Power System

Off-grid Security

Secure every corner where the sun shines



Outdoor Surveillance Box

Outdoor Surveillance Box

Say goodbye to redundant bracket installation



Radar System

Radar System

Capture every moving object linking PTZ









Model	PFM371, PFM376 series	PFM377-D2440/D4830, TS-400 Series	6-CNF, PFM374 series
Appearance			
Description	330W/275W Solar Module: Five main grid battery piece, monocrystalline 19.2% Solar Module Mounting Bracket	Distribution Box: Include MPPT controller, lightning arrester, DC circuit breaker, etc. 400W power Inverter: DC42-60V input	100Ah/150Ah/200Ah DC12V gel battery Battery Storage Box: max. 2 batteries in 1 box
Model	PFM364L-D1	PFM363L-D1	PFM363L-SD1
Appearance			
Description	60W integrated solar power system: All-in-one aluminum design, easy to install/remove/maintain, RS485 communication; Recommend 1*4G IPC	120W integrated solar power system: All-in-one aluminum design, easy to install/remove/maintain, RS485 communication; Recommend 1-2* 4G IPC	120W integrated solar power system: All-in-one aluminum design, easy to install/remove/maintain, RS485 communication; Recommend 1-2* ordinary IPC and 1*PFM881 wireless transmission device

Model	PFA142	PFA153	PFC620-D1
Appearance			
Description	Outdoor Surveillance Box IP66, IK10 High compatibility Support MNVR local storage Optional tamper alarm	Heavy-duty Pole Mount Bracket Mast Diameter: $\phi 150 \sim \phi 300 \text{mm}$ ($\phi 5.91 \sim \phi 11.81 \text{''}$) Load Bearing: 35kg (77.16lb)	Special Fan for Surveillance Box DC12V input -40~60°C
Model	B1N2C16	ZZM3-20	ZZRJ45(-K)(PoE)
Appearance			
Description	Air Circuit Breaker 240V / 16A 2P DIN rail	Lightning Arrester For 220/110V $\leq 1.6 \text{KV}$ DIN rail	Network Lightning Arrester For 100/1000M network / PoE port DIN rail
			ARD312
			Iron Door Contact Standard gap 40mm Support iron door Spacers, covers and screws included

Model	PFR4KS-E50
Appearance	
Description	Phased Array Radar Working frequency: 24GHz Distance: 50m for people detection Horizontal: 120° Support linking PTZ for trace drawing low false & missing alarm rate Support to link NVR, DSS, VMS
Model	PFM861-100/300
Appearance	
Description	Phased Array Radar Working frequency: 24GHz Distance: 100m for people detection Horizontal: 90° Support linking PTZ for trace drawing low false & missing alarm rate

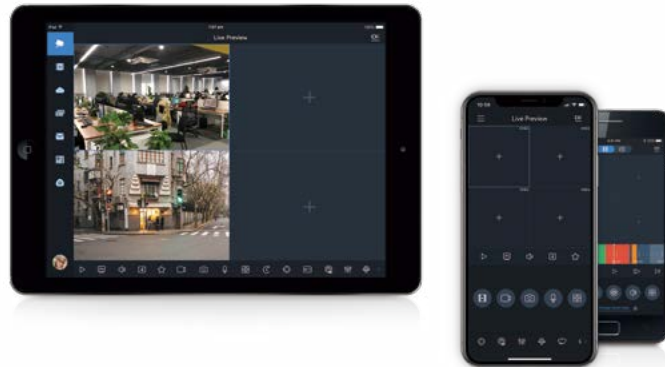
VIDEO MANAGEMENT SOFTWARE

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						
Deployment	OS	Windows	Windows	Windows	Windows	Linux	Linux
	Form	Software	Software	Software	ALL-IN-ONE	ALL-IN-ONE	ALL-IN-ONE
	Hot standby	x	x	√	x	√	√
	Distribute	x	x	√	x	x	√
	Cascade As Superior Level	x	x	√	x	x	x
	Cascade As Subordinate Level	x	√	√	√	√	√
Performance	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
Features	Onvif	√	√	√	√	√	√
	Auto Register	x	x	√	x	x	√
	P2P	√	√	x	√	x	x
	Microsoft Active Directory	x	x	√	x	x	√
	Disk Group	x	x	√	x	x	√
	ISCSI	x	√	√	√	√	√
	Records backup from device by time or wifi	x	x	√	x	x	√
	GIS Map	x	x	√	x	x	√
	Thumbnail search	x	x	√	x	x	√
	Access Control, Video Intercom, Attendance, Entrance	√	√	√	√	√	√
	Perimeter Protection	√	√	√	√	√	√
	Thermal Alarm	√	√	√	√	√	√
AI	Face Recognition	√	√	√	√	√	√
	Flow Analysis	√	√	√	√	√	√
	ANPR	√	√	√	√	√	√
	Object detection	x	x	√	x	x	√
Add on	Add-ons	x	x	√	x	x	x

VIDEO MANAGEMENT SOFTWARE

DMSS



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 form 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, Defoucs, Audio Detect, HDD Alarm, Sensor Alarm, Network Alarm
	Push Type	Video, Preview, Image

DORI DISTANCE (D/O/R/I)

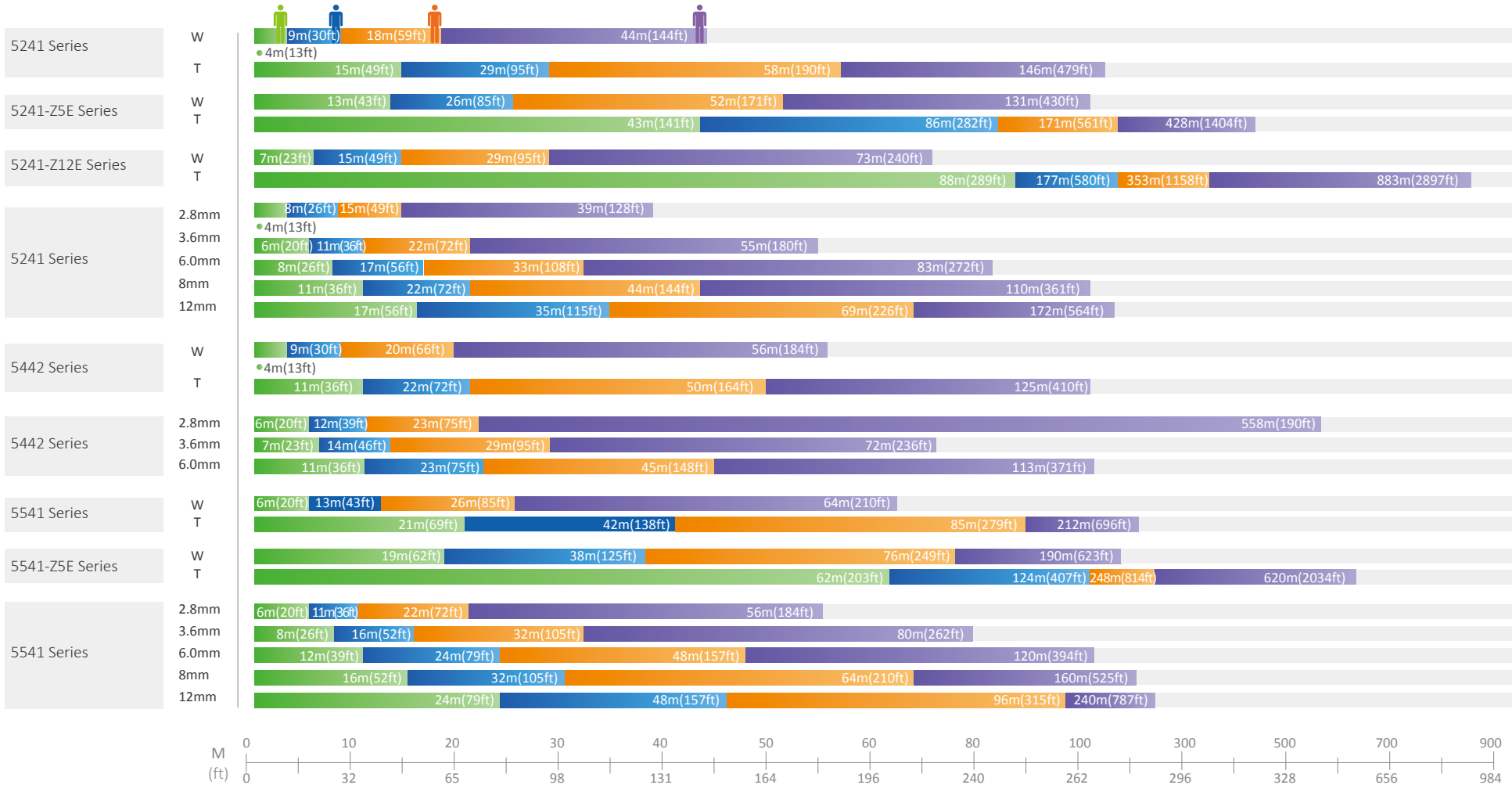
Find the Optimal Camera for Your Individual Surveillance Needs

The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test results according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize, and Identify, respectively.

- Detect: 25ppm
- Observe: 63ppm
- Recognize: 125ppm
- Identify: 250ppm

NETWORK CAMERAS

Eco-savvy 4.0 AI (Pro AI) Series

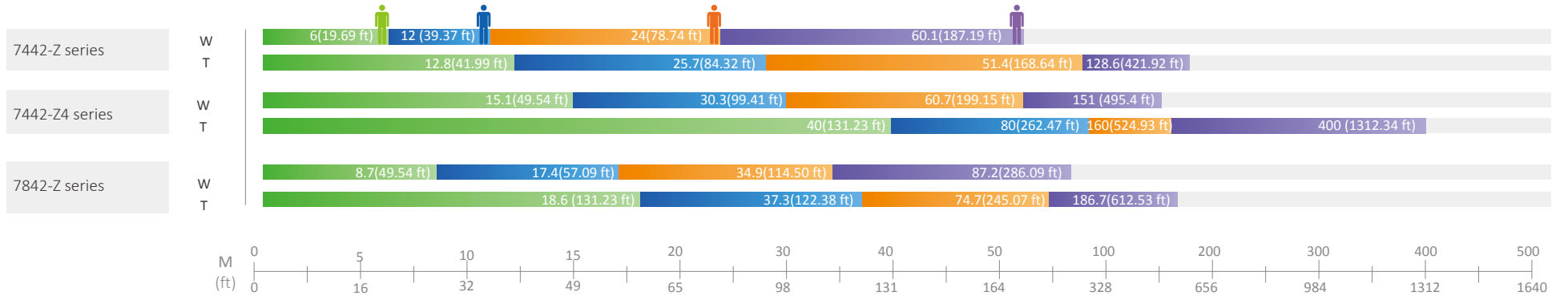


DORI DISTANCE (D/O/R/I)

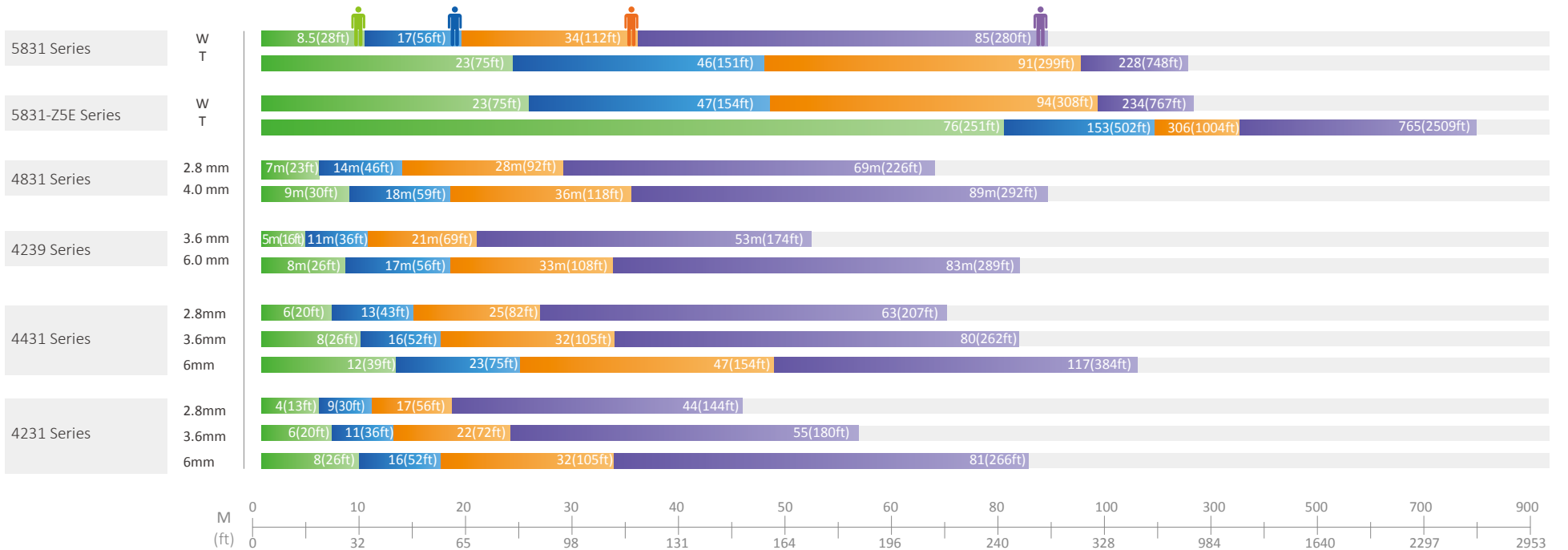
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

Ultra - AI Series



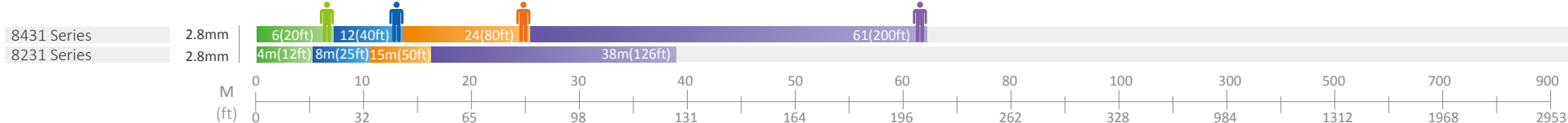
Eco-savvy 3.0 Series



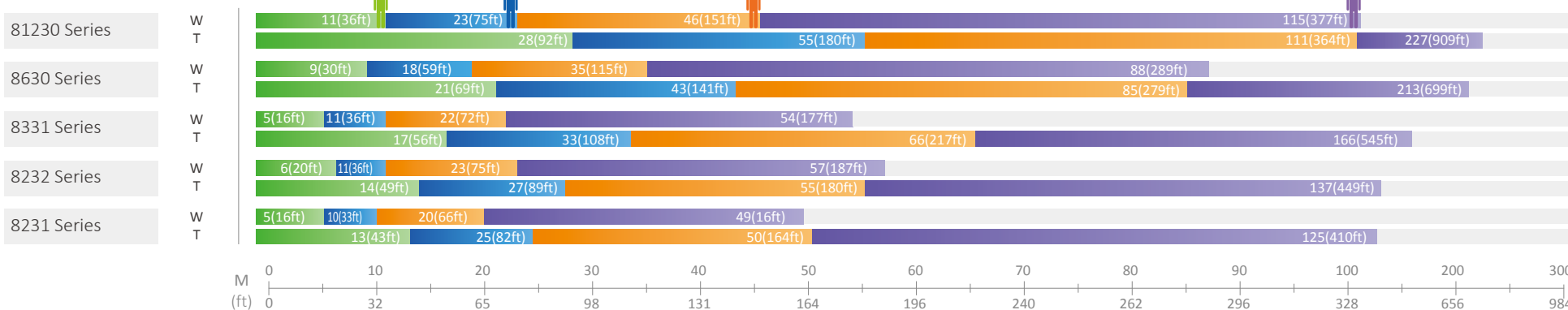
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

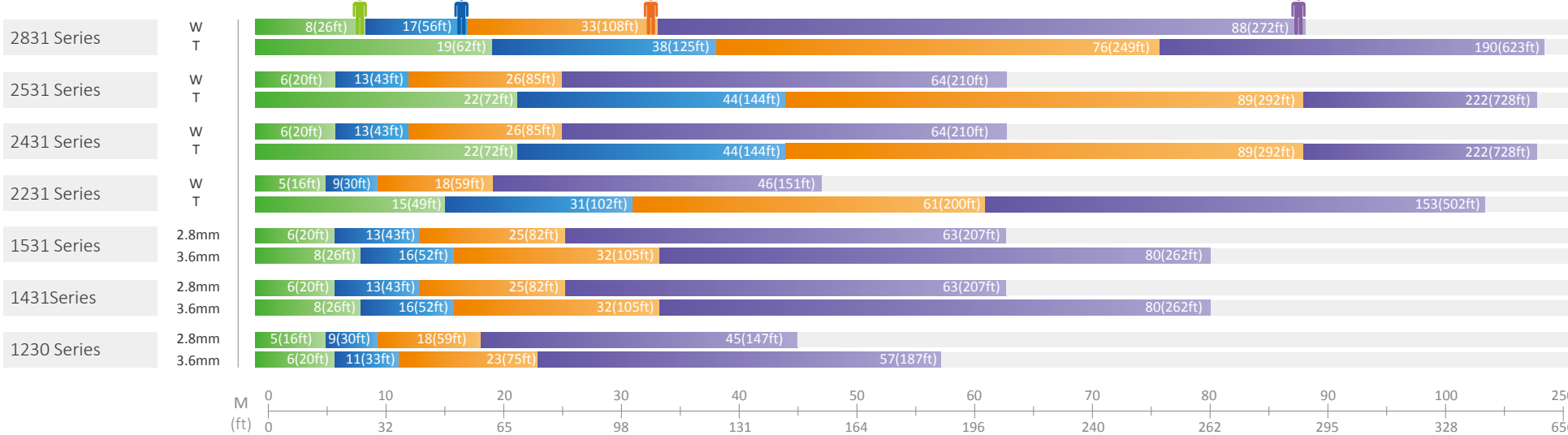
Pin-hole Series



Ultra Smart



Lite Series

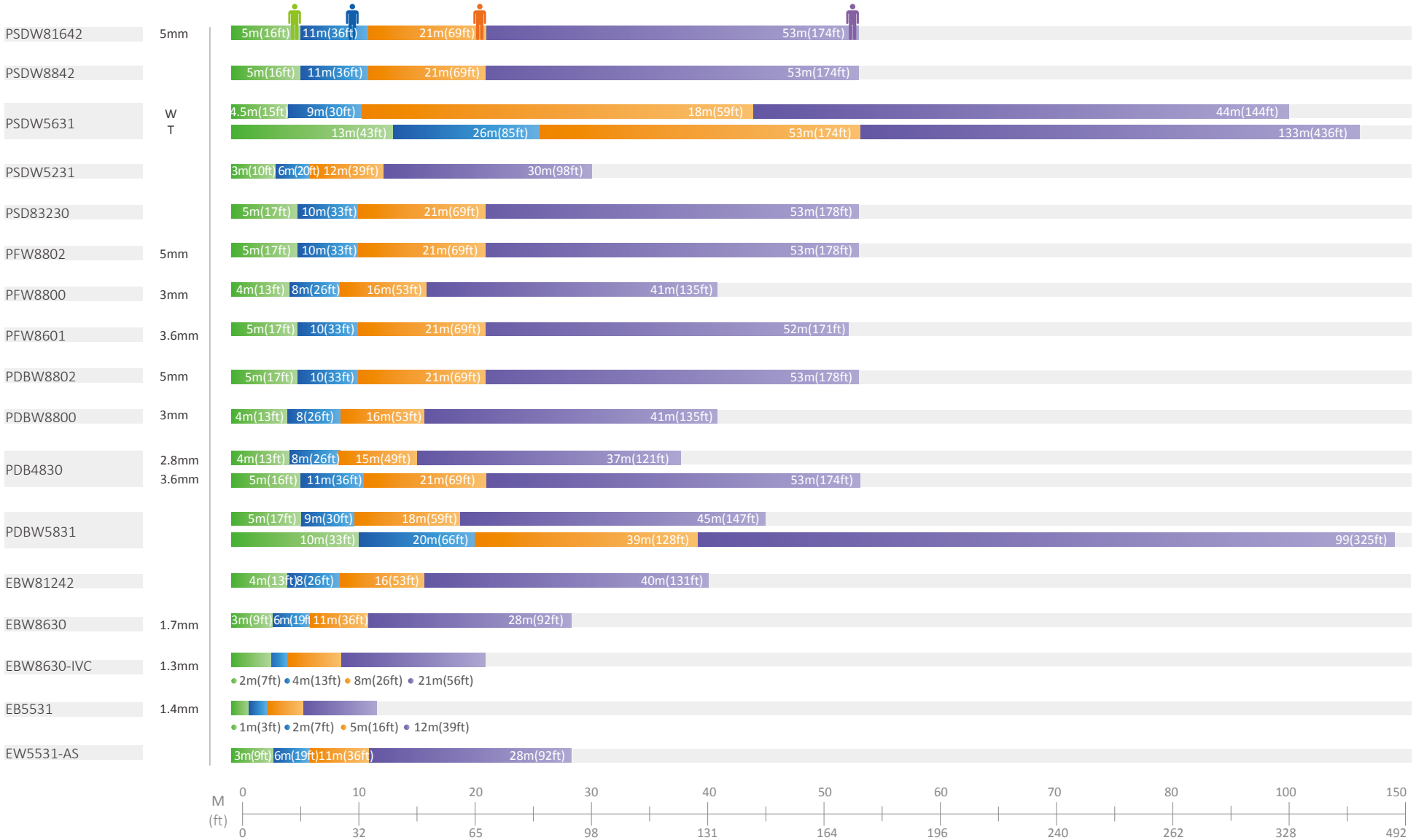


DORI DISTANCE (D/O/R/I)

DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

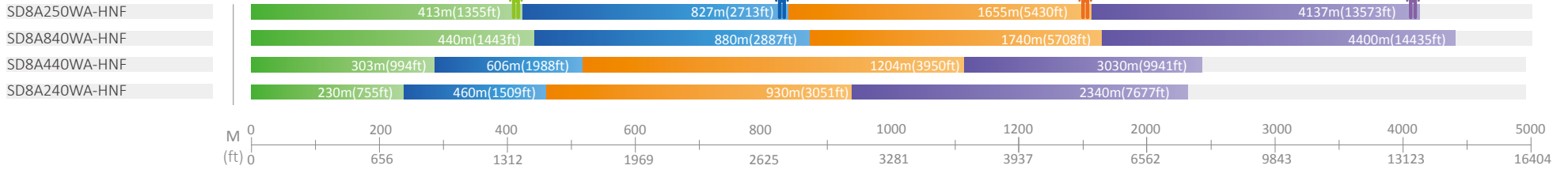
Panoramic Series



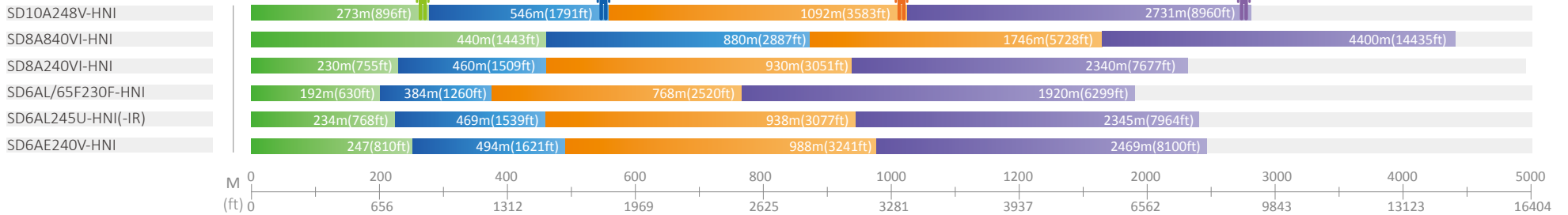
DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

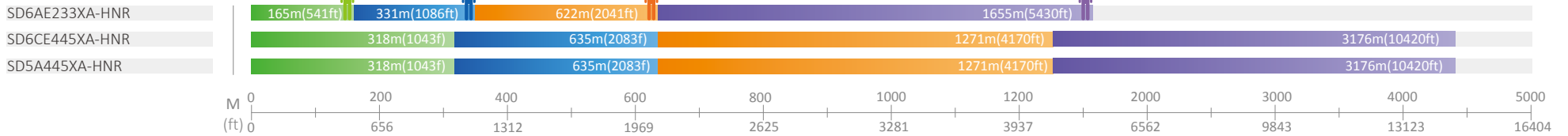
Ultra AI Series



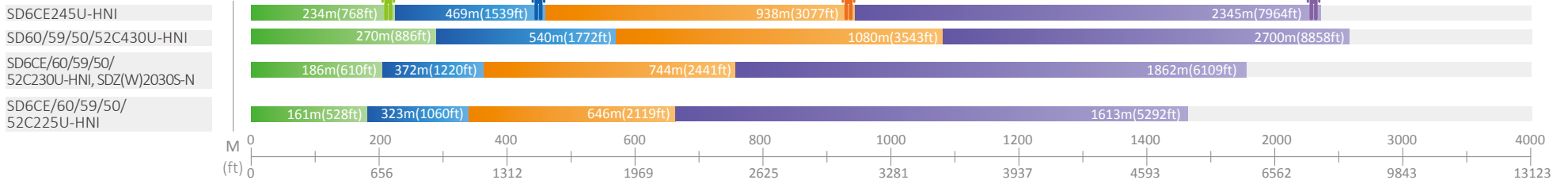
Ultra Series



Pro-AI Series



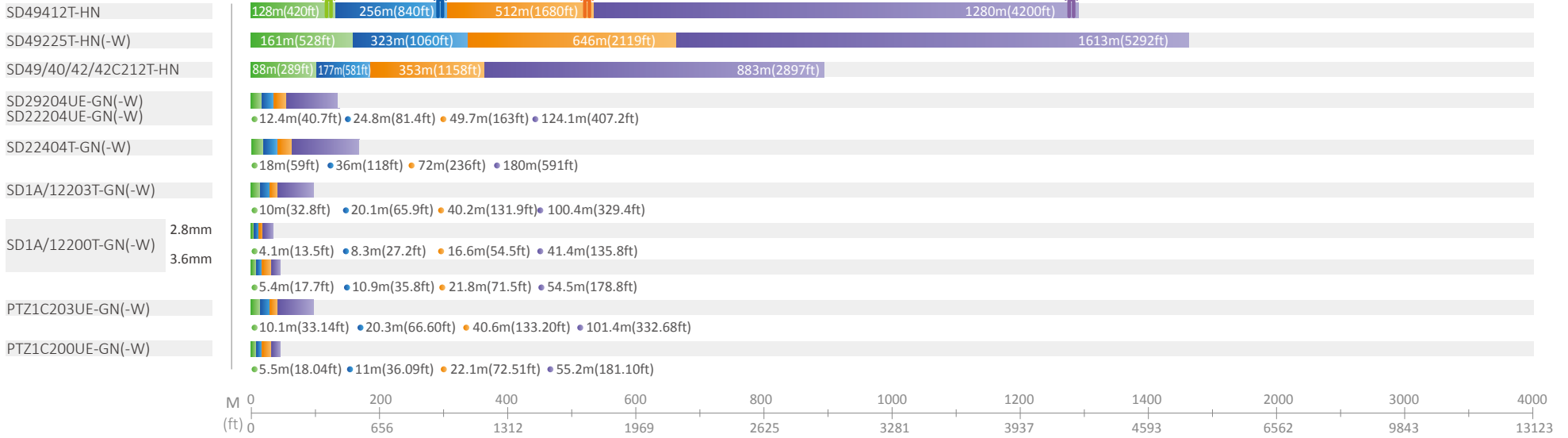
Pro Series



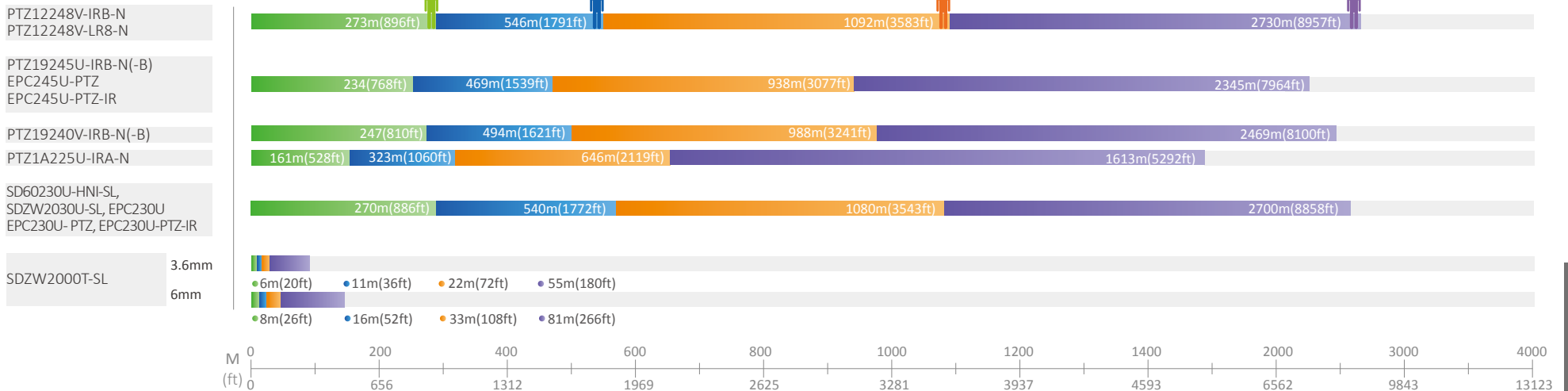
DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

Lite Series / Wi-Fi Series



All-environment Series



DORI DISTANCE (D/R/I)

NETWORK THERMAL CAMERAS

The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object depend on a common standard, Johnson's criteria [http://en.wikipedia.org/wiki/Johnson's_criteria].

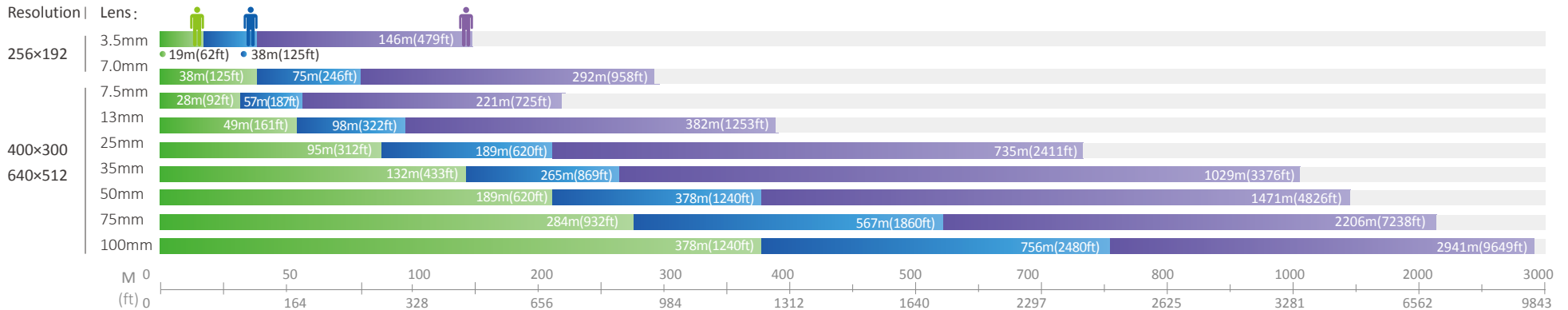
- Detection distance
- Recognition distance
- Identification distance

Detection: Distinguish objects from background [Something is there]
 Required minimum pixels: Human 3.6 pixels, Vehicle 3 pixels

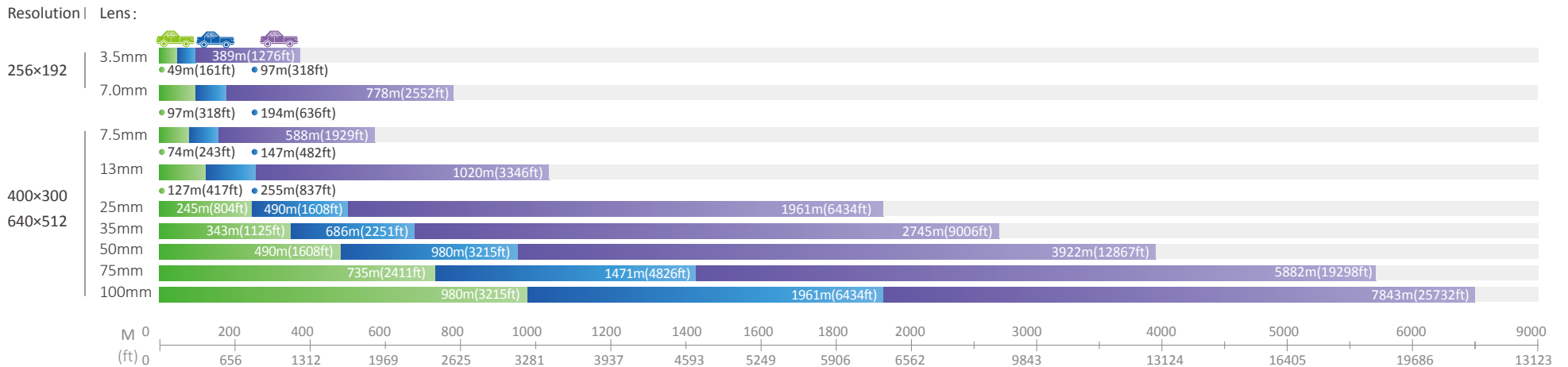
Recognition: Distinguish classification of objects [Human, Vehicle or Building]
 Required minimum pixels: Human 14 pixels, Vehicle 12 pixels

Identification: Identify characteristic of objects [Soldier, Pickup truck or Hospital]
 Required minimum pixels: Human 28 pixels, Vehicle 24 pixels

People (1.8m×0.5m)



Vehicle (4.0m×1.4m)



ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

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