



IP VIDEO PROJECT PRODUCTS

| 2020 Ver. 2

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



CONTENTS



11

42

51

65

69

78

92

NETWORK CAMERAS

WizMind Series / Panoramic Series / Special Series

NETWORK PTZ CAMERAS

WizMind Series / All-environment Series

NETWORK VIDEO RECORDERS

WizMind Series / Ultra Series / Pro Series / Mobile NVR

EMBEDDED VIDEO STORAGE

NETWORK THERMAL CAMERAS

Security / Thermography

83

INTELLIGENT TRANSPORTATION CAMERAS

TRANSMISSION

100

DISPLAY & CONTROL

Display Device / Video Management Platform / Decoder / Keyboard

ACCESSORIES / VIDEO MANAGEMENT SOFTWARE / DORI DISTANCE (D/O/R/I)

WizMind

Dahua Technology, with its award-winning deep-leaning algorithms, proudly releases WizMind, a portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, thermal and software platform, delivering precise, reliable and comprehensive AI solutions to verticals including government, retail, energy, finance and transportation.

Human Applications

Powered by AI chip and deep learning algorithm, WizMind provides comprehensive human-oriented solutions, making it possible to quickly and accurately act on what matters to you. In addition, it provides effective AI search to locate targets, and various human-based data for business analysis.



Vehicle Applications

WizMind boasts multiple vehicle-based AI solutions, which provide more attributes of vehicles for easy control, quick search and business analysis.

Thermal Applications

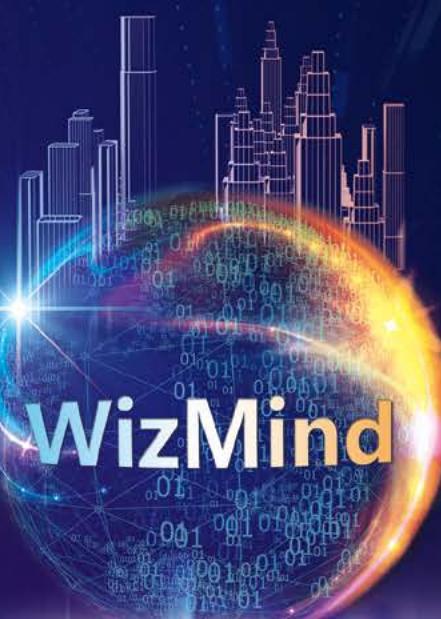
WizMind combines deep learning algorithm with thermal imaging technology to help users achieve ultra-long distance monitoring in harsh environments, highly accurate non-contact temperature monitoring , and early detection of fire.

WizMind Ecosystem

The Dahua WizMind series is compatible with major third party technology partners. Besides, the WizMind Ecosystem provides sufficient DHOP and API for our technology partners.

Wiz Mind

**Empowering verticals with
leading AI technology**





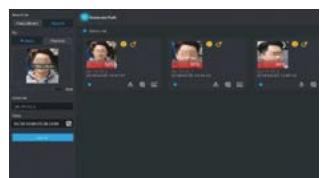
Human Applications

Face Recognition

Dahua Face Recognition solutions offer highly accurate detection rate and recognition rate with its advanced AI technology. The accuracy rate is up to 98%. It provides features such as blacklist alarm, VIP recognition, stranger alarm, AI search, face tracking, statistics etc. to improve user experience.



Face Recognition



AI Search



Face Tracking

Privacy Protection

Based on Deep Learning Algorithm, Privacy Protection supports real-time mosaic masking of human face or human body detected in the monitored scene, protecting people's personal privacy. This function can achieve target detection of max. 64 objects/frame with a detection rate of up to 98%.



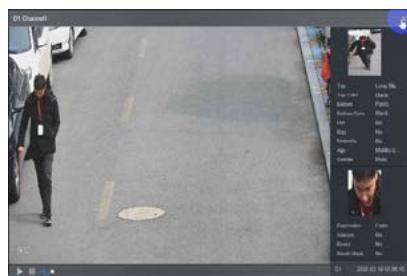
Face Mosaic



Recoverable Video

Human Video Metadata

Human Video Metadata technology with deep learning algorithm can detect, track, and capture images of people. It selects the best images and extracts attributes of targets to locate them immediately, supporting up to 20+ kinds of human attributes.



Human Video Metadata



Quick Target Search

People Counting

Dahua People Counting can track and process moving human body targets to realize accurate statistics of people entering, leaving and currently within the monitored area. This feature provides customers with valuable data for business report analysis with up to 98% counting accuracy.



People Counting for Line Crossing



People Counting in Area



Queue Management



Human Applications

Stereo Analysis

With deep learning algorithm and 3-dimensional technology, Dahua Stereo Analysis technology offers various functions that can recognize people's behaviors, including fall detection, violence detection, strand detection, people approach and number of people error.



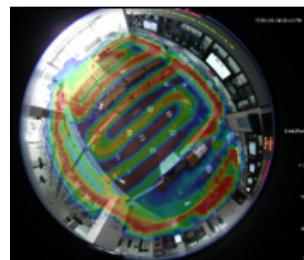
Fall Detection



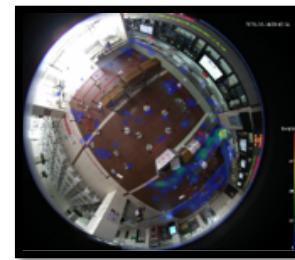
People Approach

Heat Map

With deep learning technology, Dahua's new heat map function demonstrates two types of heat map charts based on the number of people and average strand time. Being widely used in retail shops, this feature enables business owners to easily analyze customers' preferences.



Heat Map for Number of People



Heat Map for Average Strand Time

Wide Area Security

Through multi-sensor automatic stitching technology, the Dahua Panoramic Surveillance realizes 360° monitoring with high-speed PTZ camera. It utilizes both panoramic and detail images to ensure that customers will not miss other targets on the panoramic view while looking at the details of the target's behavior on the PTZ camera.



panoramic view



Target Details

Smart Tracking

Aside from detecting humans entering a restricted area, smart tracking also automatically track objects all the time. According to different scenarios, Dahua provides different tracking solutions with accuracy rate of up to 90%.



Target Detection



Auto Tracking



Vehicle Applications

ANPR

With deep learning algorithm, Dahua ANPR (Automatic Number Plate Recognition) technology can recognize the number plate information of vehicles from 58 countries. This system can also be used to provide higher security in restricted area.



ANPR

Illegal Parking Detection

When a vehicle enters the monitored area, the Dahua Parking Detection technology based on CNN deep learning will capture its images and save metadata. It helps security personnel to ensure smooth traffic, and reduce accidents and property losses caused by illegal parking.



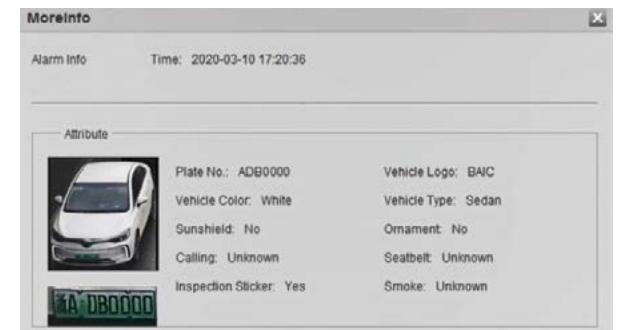
Illegal Parking Detection

Vehicle Video Metadata

Vehicle Video Metadata includes vehicle attributes information extracted from a target that can be used for data retrieval. With the detection rate of up to 99%, this system can be used to locate targets quickly and efficiently.



Target Detection



Vehicle Metadata



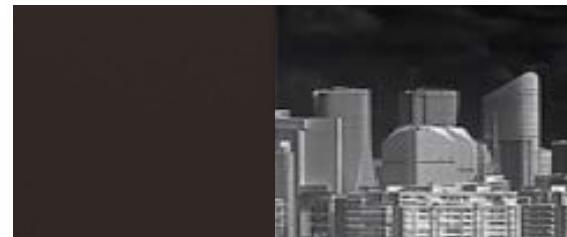
Thermal Applications

Long Distance Monitoring

With deep learning and thermal technology, this camera can realize long distance monitoring that can easily recognize human or vehicle even from far distance. In addition, it is also not affected by environmental factors, enabling it to provide a highly accurate thermal image of the scene.



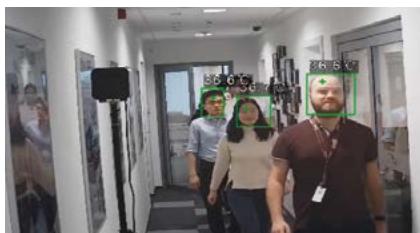
Ultra Long Range Detection Up to 20Km



Tested in Foggy Weather

Temperature Measurement

There is a corresponding relationship between radiation energy and temperature. The different gray value can represent the different temperature in order to achieve an effective temperature monitoring function. The accuracy can reach $\pm 0.3^{\circ}\text{C}$ with the blackbody.



Human Body Temperature Monitoring

Fire Prevention

Thermal cameras can detect mild differences in temperature change. This feature allows thermal camera to detect objects with a temperature difference compared to the average temperature of the scene. As fires usually have much higher temperature than the surrounding environment, Dahua thermal cameras are able to detect the presence of fire in the scene.



Advanced Fire Detection



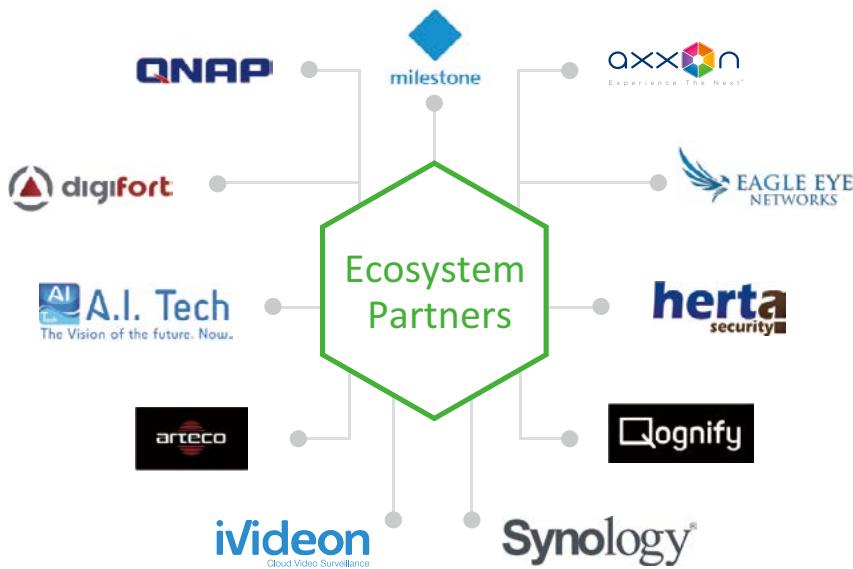
WizMind Ecosystem

Good Compatibility

Compatible with more than 200 technology partners, such as Milestone, Genetec, AxxonSoft, Avigilon, ISS, Qognify, Luxriot, etc..

Advanced features like face recognition, perimeter protection, people counting are supported with main partners, which create different solutions to meet different requirements.

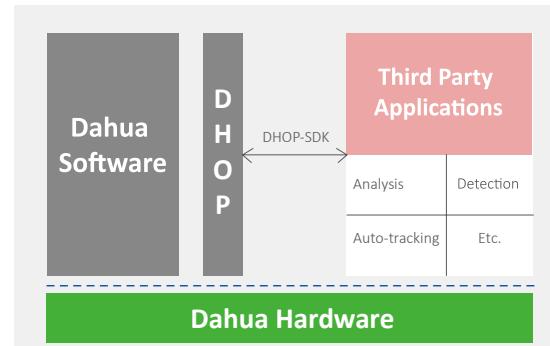
Milestone verified, Dahua heat map, metadata, people counting, face recognition, and plugin are tested and verified by Milestone team.



DHOP

Dahua Open Platform (DHOP) allows 3rd party applications to be downloaded and installed on Dahua Network Cameras (WizMind IPC and thermal) based on your actual needs.

With more than 10 existing technology partners' application, bring more flexibility to our customers.



Sufficient API

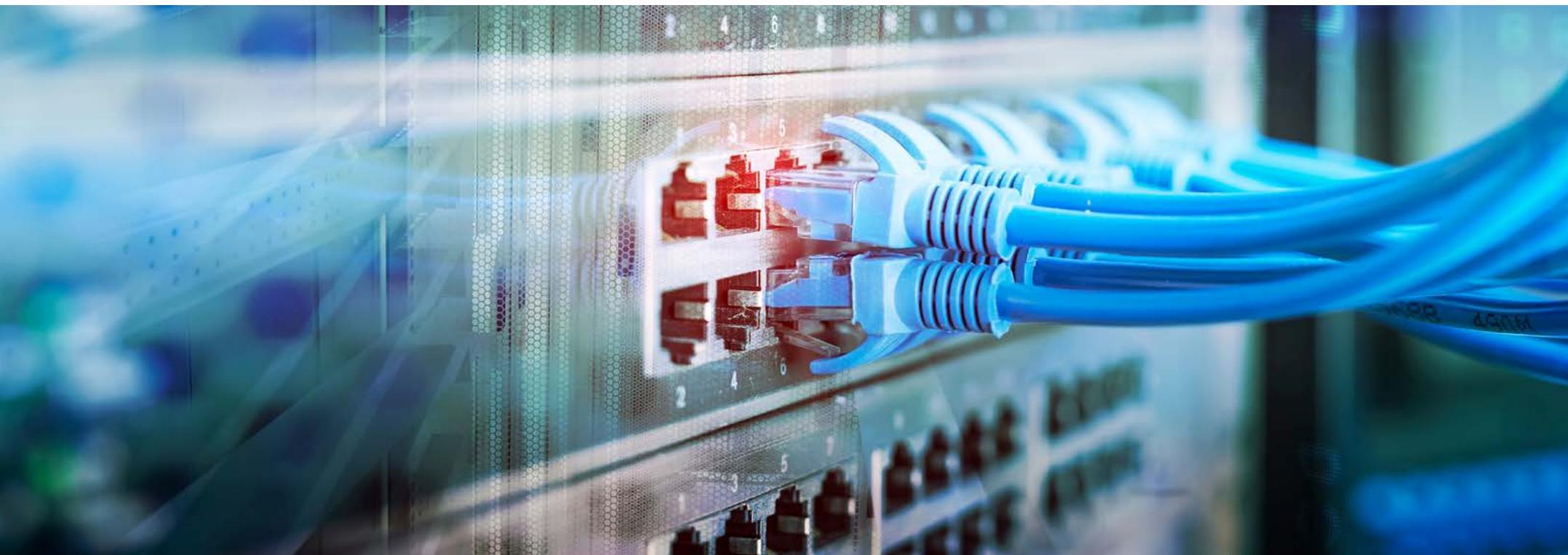
Sufficient API provided by Dahua, which allows any technology partners to integrate with WizMind products.

Complete SDK demo and API document available on our website, with strong customer support.

Standard protocol, like ONVIF, Wiegand is supported by Dahua products, allow you to use Dahua products with 3rd party software even without any integration.

ePoE

Dahua ePoE technology provides a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.



Security Radar / Radar-PTZ Linkage System

The Security Radar / Radar-PTZ Linkage System, based on the principle of radar detection and intelligent tracking algorithm, can achieve all-weather and all environment target intrusion detection and display the movement tracks of the target on the radar map. Combined with Dahua's own ball control technology, it can realize essential functions including global radar large-scale detection and multi-PTZ video detail tracking by accessing the general PTZ cameras.

Works in all-weather conditions (darkness, heavy fog, rain, snow, etc.) with extra wide angle detection range.

Low false alarm rate through adoption of smart radar algorithm, movement tracks display, PTZ real-time monitoring, and human/vehicle target filtering.

Highlights

Configuration and management on DSS platform for radar-PTZ smart tracking system.

Supports linkage of multiple PTZ cameras to one radar, or multiple radars to one PTZ, providing high-caliber set of alarms.



NETWORK CAMERAS



WizMind Series Network Camera

With advanced deep learning algorithm, Dahua WizMind Series network camera supports various intelligent functions and satisfies the requirements in different scenes. This series of network camera has excellent image processing technology, performs good in WDR and low illuminance environment, and provides better solution for intelligent application.



Perfect Performance

Adopts the advanced AI technologies including deep learning algorithms.



AI Functions

- Face Recognition
- Privacy Protection
- Video Metadata
- People Counting
- Heat Map
- Stereo Analysis
- Smart Tracking Algorithms



Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, the Dahua Smart Encoding technology offers higher encoding efficiency compared to H.265 and H.264, providing high-quality videos and reduces storage and transmission costs.



Excellent Image

Provides clear image with the help of Ultra WDR (140dB)/Starlight+/Full-color.

NETWORK CAMERAS

WizMind 7 Series

Box Camera				
Model	IPC-HF71242F	IPC-HF7842F	IPC-HF7442F	IPC-HF7442F-FR
Appearance	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	C/CS	C/CS	C/CS	C/CS
FOV-H	--	--	--	--
Min. Illumination	0.01 Lux@F1.8	0.005 Lux@F1.5	0.001 Lux@F1.5	0.001 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR
WDR	DWDR	120dB	140dB	140 dB
Max. IR Distance	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	12MP (4000x3000)	8MP (3840x2160)	4MP (2688x1520)	4MP (2688x1520)
Frame Rate	25/30fps@12MP	25/30fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	--	--	--	--
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP
Audio In/Out	2/1, Built-in MIC	2/1, Built-in MIC	2/1, Built-in MIC	2/1, Built-in MIC
Memory Slot	Micro SD, Max. 256GB			
Alarm In/Out	2 channels in: 5mA 3V~5V DC 2 channels out: 1,000mA 30V DC/500mA 50V DC	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)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/PoE (802.3af), Max. 12.7W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	Supported
Video Metadata	Supported	Supported	Supported	Supported
Privacy Protection	--	--	Supported	Supported
ANPR	Supported	Supported	Supported	--
Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.
People Counting	Support 4 tripwire number counting, 4 areas people counting, and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting, and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting, and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting, and 4 queue managements.
Stereo Analysis	--	--	--	--
General Intelligence				
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 7 Series

Vari-focal Bullet					
Model	IPC-HFW71242H-Z	IPC-HFW7842H-Z	IPC-HFW7842H-Z4	IPC-HFW7442H-Z	IPC-HFW7442H-ZFR
Appearance					
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens	8mm~32mm motorized lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens
FOV-H	103°~44°	114°~47°	40°~15°	114°~47°	114°~47°
Min. Illumination	0.01 Lux@F1.8	0.003 Lux@F1.2	0.005 Lux@F1.26	0.001 Lux@F1.2	0.001 Lux@F1.2
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	120dB	120dB	140dB	140 dB
Max. IR Distance	60m (196.9ft)	60m (196.9ft)	120m (393.70ft)	60m (196.9ft)	60m (196.9ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	12MP (4000×3000)	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@12MP	25/30fps@8MP	25/30fps@8MP	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/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP
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 3V~5V DC 2 channels out: 1,000mA 30V DC/ 500mA 50V DC	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+ (802.3at), Max. 19.32W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	--	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Privacy Protection	--	--	--	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	--
Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.				
People Counting	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.				
Stereo Analysis	--	--	--	--	--
General Intelligence					
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK CAMERAS

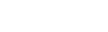
WizMind 7 Series

Vari-focal Bullet						Vari-focal Dome					
Model	IPC-HFW7442H-Z4	IPC-HFW7442H-Z4FR	IPC-HDBW71242H-Z	IPC-HDBW7842H-Z	IPC-HDBW7842H-Z4	Model	IPC-HFW7442H-Z4	IPC-HFW7442H-Z4FR	IPC-HDBW71242H-Z	IPC-HDBW7842H-Z	IPC-HDBW7842H-Z4
Appearance											
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS						
Lens	8mm~32mm motorized lens	8mm~32mm motorized lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens	8mm~32mm motorized lens						
FOV-H	40°~15°	40°~15°	103°~44°	114°~47°	40°~15°						
Min. Illumination	0.001 Lux@F1.6	0.001 Lux@F1.6	0.01 Lux@F1.8	0.003 Lux@F1.2	0.005 Lux@F1.6						
Day/Night	ICR	ICR	ICR	ICR	ICR						
WDR	140dB	140 dB	DWDR	120dB	120dB						
Max. IR Distance	120m (393.70ft)	120m (393.70ft)	40m(131.23ft)	40m(131.23ft)	80m (262.5ft)						
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)						
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+						
Max. Resolution	4MP (2688×1520)	4MP(2688×1520)	12MP (4000×3000)	8MP (3840×2160)	8MP (3840×2160)						
Frame Rate	50/60fps@4MP	50/60fps@4MP	25/30fps@12MP	25/30fps@8MP	25/30fps@8MP						
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°~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/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP						
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 3V~5V DC 2 channels out: 1,000mA 30V DC/ 500mA 50V DC	3 channels in: 5mA 5V DC 2 channels out: 1,000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1,000mA 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+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 19.32W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W						
Artificial Intelligence											
Face Detection	Supported	Supported	Supported	Supported	Supported						
Face Recognition	—	Supported	—	—	—						
Video Metadata	Supported	Supported	Supported	Supported	Supported						
Privacy Protection	Supported	Supported	—	—	—						
ANPR	Supported	--	Supported	Supported	Supported						
Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.										
People Counting	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.										
Stereo Analysis	--	--	--	--	--						
General Intelligence											
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing						

• Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 7 Series

Vari-focal Dome						
Model	IPC-HDBW7442H-Z		IPC-HDBW7442H-ZFR		IPC-HDBW7442H-Z4	IPC-HDBW7442H-Z4FR
Appearance	   	   	   	   	   	
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP 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	8mm ~32mm motorized lens	8mm ~32mm motorized lens	8mm ~32mm motorized lens	8mm ~32mm motorized lens
FOV-H	114°~47°	114°~47°	40°~15°	40°~15°	40°~15°	40°~15°
Min. Illumination	0.001 Lux@F1.2	0.001 Lux@F1.2	0.001 Lux@F1.6	0.001 Lux@F1.6	0.001 Lux@F1.6	0.001 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	140dB	140 dB	140dB	140dB	140 dB	140 dB
Max. IR Distance	40m(131.23ft)	40m(131.23ft)	80m (262.5ft)	80m (262.5ft)	80m (262.5ft)	80m (262.5ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	4MP(2688x1520)	4MP (2688x1520)	4MP (2688x1520)	4MP (2688x1520)	4MP (2688x1520)
Frame Rate	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	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°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP
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	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	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	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	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	Supported	--	--	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	--	--	Supported	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.
People Counting	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.	Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.
Stereo Analysis	--	--	--	--	--	--
General Intelligence						
IVS	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing	Object Abandoned/Missing

NETWORK CAMERAS

WizMind Dual-Lens Series

Dual-lens Camera						
Model	IPC-HFW8241X-3D		IPC-HDW8341X-3D-S2		IPC-HDW8341X-BV-3D	
Appearance		Wiz Mind Starlight+		Wiz Mind Starlight		Wiz Mind Starlight
Image Sensor	Two 1/2.8"2Mp STARVIS™ CMOS		Two 1/2.8"3MP CMOS		Two 1/2.8"3MP CMOS	
Lens	2.8mm fixed lens (3.6mm, 6mm optional)		2.8mm fixed lens (3.6mm optional)		2.8mm fixed lens (3.6mm optional)	
FOV-H	111° /86°/54°		96°/79°		96°/79°	
Min. Illumination	0.003Lux/F1.4		0.005 Lux @F1.6		0.005 Lux @F1.6	
Day/Night	ICR		ICR		ICR	
WDR	120dB		DWDR		DWDR	
Max. IR Distance	40m (131ft)		20m (65.6ft)		20m (65.6ft)	
Video Compression	H.265/H.264H/MJPEG(Sub Stream)		H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)		H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	
Smart Codec	Smart H.265+/H.264+		Smart H.265+/H.264+		Smart H.265+/H.264+	
Max. Resolution	1080P (1920×1080)		3MP (2048×1536)		3MP (2048×1536)	
Frame Rate	25/30fps@1080P		25/30fps@3MP		25/30fps@3MP	
Multi-streaming	3 streams		5 streams		5 streams	
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°		Tilt: 0°~70°		Tilt: 0°~70°	
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P		ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP		ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	
Audio In/Out	1/1		2/1,Built-in MIC&Speaker		2/1,Built-in MIC&Speaker	
Memory Slot	Micro SD, Max. 256GB		Micro SD, Max. 256GB		Micro SD, Max. 256GB	
Alarm In/Out	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC		2 channel In: 5mA 3V~5V DC 2 channel Out: 1,000mA 30V DC/500mA 50V DC		2 channel In: 5mA 3V~5V DC 2 channel Out: 1,000mA 30V DC/500mA 50V DC	
Ingress Protection	IP67		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)	
Power	DC12V, PoE+ (802.3at), Max. 15.1W		12V DC/PoE (802.3af), Max. 10.6W		12V DC/PoE (802.3af), Max. 10.6W	
Artificial Intelligence						
Face Detection	--		Supported		Supported	
Face Recognition	--		--		--	
Video Metadata	--		--		--	
Privacy Protection	--		--		--	
ANPR	--		--		--	
Perimeter Protection	--		Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.		Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human); parking detection, loitering detection, and people gathering.	
People Counting	--		Support 4 tripwire number counting, 4 areas people counting , and 4 queue managements.		--	
Stereo Analysis	Fall Detection, Strand Detection, People Approach People NO. error Detection, Violence Detection		--		Fall detection, Strand detection, People approach, People NO. error detection, Violence detection	
General Intelligence						
IVS	Tripwire, Intrusion, Object Abandoned/Missing, Heat Map		Object Abandoned/Missing		Object Abandoned/Missing	

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Junction Box Housing						
Model	IPC-HFW5842H-ZHE	IPC-HFW5842H-Z4HE	IPC-HFW5442H-ZE/ZHE	IPC-HFW5442H-Z4E	IPC-HFW5242H-ZE/ZHE-MF	IPC-HFW5242H-Z6E-MF
Appearance	 Wiz Mind 4K Starlight+	 Wiz Mind 4K Starlight	 Wiz Mind DH ^o P Starlight+	 Wiz Mind DH ^o P Starlight+	 Wiz Mind DH ^o P Starlight+	 Wiz Mind DH ^o P Starlight+
Image Sensor	1/1.8"8Mp CMOS	1/1.8"8Mp CMOS	1/1.8"4Mp CMOS	1/1.8"4Mp CMOS	1/1.8"2Mp CMOS	1/1.8"2Mp CMOS
Lens	2.7~12mm motorized lens	8~32 mm motorized lens	2.7~12 mm motorized lens	8~32 mm motorized lens	2.7mm~18mm motorized lens	8~48 mm motorized lens
FOV-H	114°~47°	40°~15°	107°~44°	42°~15°	107°~33.9°	42°~10.9°
Min. Illumination	0.003 Lux@F1.2	0.005 Lux@F1.6	0.003Lux@F1.8	0.002 Lux@F1.6	0.003Lux@F1.8	0.002Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	140dB	140dB	140dB
Max. IR Distance	60m (196.85ft)	120m (393.7ft)	60m (196.85ft)	120m (393.7ft)	70m (229.7ft)	140m (459.3ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P(1920×1080)
Frame Rate	25/30fps@8Mp	25fps/30fps@8Mp	25/30fps@4Mp	25/30fps@4Mp	50/60fps@1080P	50/60fps@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 & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, 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	3 channel In: 5mA 5V DC 2 channel Out: 1000mA 30V DC/500mA 50V AC	3 channel In: 5mA 5V DC 2 channel Out: 1000mA 30V DC/500mA 50V AC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC
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)	-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) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	DC12V, PoE (802.3af), Max. 11.6W (-ZE); DC12V, PoE (802.3af), Max. 11.6W (-ZHE)	DC12V, PoE (802.3af), Max. 11.6W	DC12V, PoE (802.3af), Max. 11.6W (-ZE); DC12V, PoE (802.3af), Max. 11.6W (-ZHE)	DC12V, PoE (802.3af), Max. 11.6W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard					
Perimeter Protection	Tripwire, Intrusion, Fast moving (the three functions support the classification and accurate detection of vehicle and human), Parking Detection, Loitering Detection, and People Gathering.					
People Counting	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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

NETWORK CAMERAS

WizMind 5 Series

Junction Box Housing							
Model	IPC-HDBW5842H-ZHE	IPC-HDBW5842H-Z4HE	IPC-HDBW5442H-ZE/ZHE	IPC-HDBW5442H-Z4E	IPC-HDBW5242H-ZE/ZHE-MF	IPC-HDBW5242H-Z6E-MF	
Appearance	 Wiz Mind 4K Starlight+	 Wiz Mind 4K Starlight	 Wiz Mind DHoP Starlight+	 Wiz Mind DHoP Starlight+	 Wiz Mind DHoP Starlight+	 Wiz Mind DHoP Starlight+	
Image Sensor	1/1.8" 8Mp CMOS	1/1.8"8Mp CMOS	1/1.8"4Mp CMOS	1/1.8"4Mp CMOS	1/1.8"2Mp CMOS	1/1.8"2Mp CMOS	
Lens	2.7 mm~12.0mm motorized lens	8~32 mm motorized lens	2.7~12 mm motorized lens	8~32 mm motorized lens	2.7mm~18mm motorized lens	8~48 mm motorized lens	
FOV-H	114°~47°	40°~15°	107°~44°	42°~15°	107°~33.9°	42°~10.9°	
Min. Illumination	0.003 Lux@F1.2	0.005 Lux@F1.6	0.003 Lux@F1.8	0.002 Lux@F1.6	0.003 Lux@F1.8	0.002 Lux@F1.6	
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	
WDR	120 dB	120dB	140dB	140dB	140dB	140dB	
Max. IR Distance	40 m (131.23ft)	80m (262.5ft)	40m (131.2ft)	80m (262.5ft)	50m (164ft)	100m (328.1ft)	
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	
Frame Rate	25 fps/30 fps@8Mp	25fps/30fps@8Mp	25/30fps@4Mp	25/30fps@4Mp	50/60fps@1080P	50/60fps@1080P	
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~80° Rotation:0°~355°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	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 & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G&T, 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	3 channel In: 5mA 5V DC 2 channel Out: 1000mA 30V DC/500mA 50V AC	3 channel In: 5mA 5V DC 2 channel Out: 1000mA 30V DC/500mA 50V AC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	
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)	-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) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)	
Power	12V DC/24V AC/PoE+ (802.3at), Max. 15.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	DC12V, PoE (802.3af), Max. 11.9W (-ZE) DC12V, PoE (802.3af), Max. 11.9W (-ZHE)	DC12V, PoE (802.3af), Max. 11.9W	DC12V, PoE (802.3af), Max. 11.9W (-ZE) DC12V, PoE (802.3af), Max. 11.9W (-ZHE)	DC12V, PoE (802.3af), Max. 11.9W	
Artificial Intelligence							
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard						
Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human), parking detection, loitering detection, and People Gathering.						
People Counting	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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Box Camera

Model	IPC-HF5541E-E	IPC-HF5442E-E	IPC-HF5241E-E	IPC-HF5242E-E-MF
Appearance	 ePoE Wiz Mind DH&P Starlight	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2Mp CMOS
Lens	C/CS	C/CS	C/CS	C/CS
FOV-H	--	--	--	--
Min. Illumination	0.005 Lux@F1.7	0.002 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	140dB	120dB	140dB
Max. IR Distance	--	--	--	--
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592×1944)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	50/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	--	--
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1, Built-in MIC	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	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	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)	-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	DC12V/AC24V, PoE (802.3af), Max. 9.2W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection			
General Intelligence				
IVS	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

NETWORK CAMERAS

WizMind 5 Series

Vari-focal Bullet				
Model	IPC-HFW5541E-ZE	IPC-HFW5541E-Z5E	IPC-HFW5442E-ZE/ZHE	IPC-HFW5442E-Z4E
Appearance	 <p>ePoE Wiz Mind DH&P Starlight</p>	 <p>ePoE Wiz Mind DH&P Starlight+</p>	 <p>ePoE Wiz Mind DH&P Starlight+</p>	 <p>ePoE Wiz Mind DH&P Starlight+</p>
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4Mp CMOS
Lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens	8 mm~32 mm motorized lens
FOV-H	100°~28°(2592×1944) 104°~29°(2688×1520)	31°~9°(2592×1944) 32°~9°(2688×1520)	114°~47°	43°~15°
Min. Illumination	0.005 Lux@F1.5	0.003 Lux@F1.3	0.003 Lux@F1.8	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	140dB
Max. IR Distance	50m (164ft)	120 m (394ft)	50m (164ft)	120 m (394ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592×1944)	5MP (2592×1944)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30fps@4Mp
Multi-streaming	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°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G&T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	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
Ingress Protection	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) -40°C~+60°C (-40°F~+140°F) (-ZHE)	-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 DC12V, PoE+ (802.3at), Max. 15.2W (-ZHE)	DC12V, PoE (802.3af), Max. 10.9W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard		Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard	
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
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
General Intelligence				
IVS	Object Abandoned/Missing Heat Map			

ePoE • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Vari-focal Bullet

Model	IPC-HFW5241E-ZE/ZHE	IPC-HFW5241E-Z5E	IPC-HFW5241E-Z12E	IPC-HFW5242E-ZE-MF
Appearance	 Wiz Mind DH&P Starlight+	 Wiz Mind DH&P Starlight+	 Wiz Mind DH&P Starlight+	 Wiz Mind DH&P Starlight+
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2Mp CMOS
Lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	5.3 mm~64.0 mm motorized lens	2.7 mm~12.0 mm motorized lens
FOV-H	109°~30°	33°~10°	58°~4°	114°~47°
Min. Illumination	0.002 Lux@F1.5	0.0015 Lux@F1.3	0.002 Lux@F1.5	0.003 Lux@F1.8
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	140dB
Max. IR Distance	50m (164ft)	120m (394ft)	150 m (492ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	50/60 fps@1080P
Multi-streaming	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°
Compatibility	ONVIF Profile S, G & T, CGI			
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	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
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-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)	-30°C~+60°C(-22°F ~ +140°F)
Power	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	DC12V, PoE (802.3af), Max. 10.9W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask,Moustache & Beard
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
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
General Intelligence				
IVS	Object Abandoned/Missing Heat Map			

NETWORK CAMERAS

WizMind 5 Series

Vari-focal Dome						
Model	IPC-HDBW5541E-ZE	IPC-HDBW5541E-Z5E	IPC-HDBW5442E-ZE/ZHE	IPC-HDBW5442E-Z4E	IPC-HDBW5241E-ZE/ZHE	IPC-HDBW5241E-Z5E
Appearance	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 	 Wiz Mind 
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	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens
FOV-H	100°~28° (2592×1944); 104°~29° (2688×1520)	31°~9° (2592×1944); 32°~9° (2688×1520)	114°~47°	43°~15°	109°~30°	33°~10°
Min. Illumination	0.005 Lux@F1.5	0.003 Lux@F1.3	0.003 Lux@F1.8	0.002 Lux@F1.6	0.002 Lux@F1.5	0.0015 Lux@F1.3
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	140dB	120dB	120dB
Max. IR Distance	40m (131ft)	80m (262ft)	40m (131ft)	80m (262ft)	40m (131ft)	80m (262ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592×1944)	5MP (2592×1944)	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30 fps@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°~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°	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, 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	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	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) -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) -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. 12.4W	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 Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard			Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard		
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection		
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		
General Intelligence						
IVS	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Vari-focal Dome					
Model	IPC-HDBW5242E-ZE-MF	IPC-HDPW5541G-ZE	IPC-HDPW5442G-ZE	IPC-HDPW5241G-ZE	IPC-HDPW5242G-ZE-MF
Appearance	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+
Image Sensor	1/1.8" 2MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	2.7 mm~12.0mm motorized lns	2.7mm~13.5mm motorized lens	2.7mm~12mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~12.0mm motorized lens
FOV-H	114°~47°	100°~28°(2592×1944) 104°~29°(2688×1520)	114°~47°	109°~30°	114°~47°
Min. Illumination	0.003Lux@F1.8	0.005 Lux@F1.5	0.003 Lux@F1.8	0.002 Lux@F1.5	0.003Lux@F1.8
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	140dB	120dB	140dB
Max. IR Distance	40m (131ft)	40m (131ft)	40m (131 ft)	40m (131ft)	40m (131ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	1080P (1920×1080)	5MP (2592×1944)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	50/60fps@1080P	20fps@5MP	25/30fps@4MP	25/30fps@1080P	50/60 fps@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°~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 & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, 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	--	--	--	--
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/AC24V, PoE (802.3af), Max. 12.4W	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 10.6W	DC12V, PoE (802.3af), Max. 11W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard				
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection				
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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

NETWORK CAMERAS

WizMind 5 Series

Vari-focal Eyeball				
Model	IPC-HDW5541T-ZE	IPC-HDW5442T-ZE	IPC-HDW5241T-ZE	IPC-HDW5242T-ZE-MF
Appearance	 ePoE Wiz Mind DH&P Starlight	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+	 ePoE Wiz Mind DH&P Starlight+
Image Sensor	1/2.7"5MP CMOS	1/1.8"4MP CMOS	1/2.8"2MP CMOS	1/1.8"2MP CMOS
Lens	2.7 mm-13.5 mm motorized lens	2.7 mm-12 mm motorized lens	2.7 mm-13.5 mm motorized lens	2.7 mm-12 mm motorized lens
FOV-H	100°~28° (2592×1944); 104°~29° (2688×1520)	114°~47°	109°~30°	114°~47°
Min. Illumination	0.005 Lux @F1.5	0.003 Lux @F1.8	0.002 Lux @F1.5	0.003 Lux @F1.8
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	140dB	120dB	140dB
Max. IR Distance	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592×1944)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	20fps@5MP	25/30fps@4MP	25/30 fps@1080P	50/60 fps@1080P
Multi-streaming	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°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
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), Max. 7.7W	DC12V, PoE (802.3af), Max. 7.5W	DC12V, PoE (802.3af), Max. 6.9W	DC12V, PoE (802.3af), Max. 7.5W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard			
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			
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
General Intelligence				
IVS	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map



• Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Fixed-focal Mini-Bullet							Fixed-focal Bullet						
Model	IPC-HFW5541E-SE	IPC-HFW5442E-SE	IPC-HFW5241E-SE	IPC-HFW5541T-SE	IPC-HFW5541T-ASE	IPC-HFW5442T-SE							
Appearance	  	  	  	  	  	  	  	  	  	  	  	  	
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP 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, 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°	113°/89°/56°	106°/87°/53°	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	0.002 Lux@F1.6	0.005 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6							
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR							
WDR	120dB	140dB	120dB	120dB	120dB	140dB							
Max. IR Distance	50m (164ft)	50m (164ft)	50m (164ft)	80m (262ft)	80m (262ft)	50m (164ft)							
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H							
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+							
Max. Resolution	5MP (2592×1944)	4MP (2688×1520)	1080P (1920×1080)	5MP (2592×1944)	5MP (2592×1944)	4MP (2688×1520)							
Frame Rate	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	20fps@5Mp	20fps@5Mp	25/30fps@4Mp							
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 & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI							
Audio In/Out	--	--	--	--	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	--							
Ingress Protection	IP67	IP67	IP67	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 (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 8.4W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.4W							
Artificial Intelligence													
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported							
Face Attributes	--	--	--	--	--	--							
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection												
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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map							

NETWORK CAMERAS

WizMind 5 Series

Fixed-focal Bullet							Fixed-focal Dome	
Model	IPC-HFW5442T-ASE	IPC-HFW5241T-SE	IPC-HFW5241T-ASE	IPC-HFW5242T-ASE-MF	IPC-HDBW5541R-S	IPC-HDBW5541R-ASE		
Appearance	 	 	 	 	 	 		
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP 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 optional)	2.8mm fixed lens (3.6mm/6mm optional)		
FOV-H	113°/89°/56°	106°/87°/53°/41°/26°	106°/87°/53°/41°/26°	113°/89°/56°	102°/84°/51°	102°/84°/51°		
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6	0.005 Lux@F1.6		
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR		
WDR	140dB	120dB	120dB	140dB	120dB	120dB		
Max. IR Distance	50m (164ft)	80m (262ft)	80m (262ft)	50m (164ft)	50m (164ft)	50m (164ft)		
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H		
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+		
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	5MP (2592×1944)	5MP (2592×1944)		
Frame Rate	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	50/60 fps@1080P	20fps@5Mp	20fps@5Mp		
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°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°		
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, 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	-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 (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.3W	DC12V, PoE (802.3af), Max. 8.7W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 5.2W	DC12V, PoE (802.3af), Max. 6W		
Artificial Intelligence								
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported		
Face Attributes	--	--	--	--	--	--		
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection							
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			
vGeneral Intelligence								
IVS	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map		

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Fixed-focal Dome					
Model	IPC-HDBW5442R-S	IPC-HDBW5442R-ASE	IPC-HDBW5241R-S	IPC-HDBW5241R-ASE	IPC-HDBW5242R-ASE-MF
Appearance	 WizMind 	 WizMind 	 WizMind 	 WizMind 	 WizMind 
Image Sensor	1/1.8" 4Mp CMOS	1/1.8" 4Mp CMOS	1/2.8" 2Mp STARVIS™ CMOS	1/2.8" 2Mp STARVIS™ CMOS	1/1.8" 2Mp 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)
FOV-H	113°/89°/56°	113°/89°/56°	106°/87°/53°	106°/87°/53°	113°/89°/56°
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	140dB	120dB	120dB	140 dB
Max. IR Distance	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.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25/30fps@4Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	50/60fps@1080P
Multi-streaming	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°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, 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
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
Working Temperature	-40° C~+60°C (-40°F~+140° F)	-40° C~+60°C (-40°F~+143° F)	-40° C~+60°C (-40°F~+144° F)	-40° C~+60°C (-40°F~+145° F)	-40° C~+60°C (-40°F~+140°F)
Power	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	DC12V, PoE (802.3af), Max. 6.1W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	--
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection				
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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

NETWORK CAMERAS

WizMind 5 Series

Fixed-focal Eyeball						Active Deterrence	
Model	IPC-HDW5541TM-ASE	IPC-HDW5442TM-ASE	IPC-HDW5241TM-ASE	IPC-HDW5541H-AS-PV	IPC-HDW5241H-AS-PV		
Appearance	 Wiz Mind  Wiz Mind  Wiz Mind	 Wiz Mind  Wiz Mind					
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5Mp 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)		
FOV-H	102°/84°/51°	113°/89°/56°	106°/87°/53°	102°/84°/51°	106°/87°/53°		
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6		
Day/Night	ICR	ICR	ICR	ICR	ICR		
WDR	120dB	140dB	120dB	120dB	120dB		
Max. IR Distance	50m (164ft)	50m (164ft)	50m (164ft)	50m (164ft)	50m (164ft)		
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H		
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+		
Max. Resolution	5MP (2592×1944)	4MP (2688×1520)	1080P (1920×1080)	5MP (2592×1944)	1080P (1920×1080)		
Frame Rate	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	20fps@5Mp	25/30fps@1080P		
Multi-streaming	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°		
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI		
Audio In/Out	Built-in MIC	Built-in MIC	Built-in MIC	1/1, Built-in MIC,Built-in Speaker	1/1, Built-in MIC,Built-in Speaker		
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		
Ingress Protection	IP67	IP67	IP67	IP67	IP67		
Working Temperature	-40°C~+60°C (-40°F~+145°F)	-40°C~+60°C (-40°F~+146°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)		
Power	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	DC12V, PoE (802.3af), Max. 7W		
Artificial Intelligence							
Face Detection	Supported	Supported	Supported	--	--		
Face Attributes	--	--	--	--	--		
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection						
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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map		



• Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK CAMERAS

WizMind 5 Series

Active Deterrence								Full-color							
Model	IPC-HFW5541T-AS-PV	IPC-HFW5241T-AS-PV	IPC-HFW5442T-AS-LED	IPC-HFW5241T-AS-LED	IPC-HFW5442T-ASE-NI	IPC-HFW5241T-ASE-NI									
Appearance	 Wiz Mind 	 Wiz Mind 	 Wiz Mind	 Wiz Mind	 ePoE Wiz Mind	 ePoE Wiz Mind									
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP 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 optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)	3.6mm fixed lens	3.6mm fixed lens									
FOV-H	102°/84°/51°/38°	106°/87°/53°/41°	113°/89°/56°	106°/87°/53°/41°	93°	88°									
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.001Lux@F1.0	0.001Lux@F1.0									
Day/Night	ICR	ICR	Electronic	Electronic	Electronic	Color/B/W									
WDR	120dB	120dB	140dB	120dB	140dB	120dB									
Max. IR Distance	60m (197ft)	60m (197ft)	40m (132ft)	50m (164ft)	--	--									
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H									
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+									
Max. Resolution	5MP (2592×1944)	1080P (1920×1080)	4MP (2688×1520)	1080P (1920×1080)	4MP (2688×1520)	1080P (1920×1080)									
Frame Rate	20fps@5Mp	25/30fps@1080P	25/30fps@4Mp	25/30fps@1080P	25/30fps@4Mp	25/30fps@2Mp									
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 & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G&T, CGI	ONVIF Profile S, G&T, CGI									
Audio In/Out	1/1,Built-in Speaker	1/1,Built-in Speaker	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	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	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC									
Ingress Protection	IP67	IP67	IP67, IK10	IP67, IK10	IP67	IP67									
Working Temperature	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)									
Power	DC12V, PoE (802.3af), Max. 8.5W	DC12V, PoE (802.3af), Max. 8.3W	DC12V, PoE (802.3af), Max. 7.4W	DC12V, PoE (802.3af), Max. 7W	DC12V, PoE (802.3af), Max. 4.4W	DC12V, PoE (802.3af), Max. 3.8W									
Artificial Intelligence															
Face Detection	--	--	Supported	Supported	Supported	Supported									
Face Attributes	--	--	--	--	--	--									
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection								
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 Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map									

NETWORK CAMERAS

WizMind 5 Series

Full-color				
Model	IPC-HDBW5442R-ASE-NI	IPC-HDBW5241R-ASE-NI	IPC-HDW5442TM-AS-LED	IPC-HDW5241TM-AS-LED
Appearance	  	  	 	 
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2Mp STARVIS™ CMOS
Lens	3.6mm fixed lens	3.6mm fixed lens	2.8mm fixed lens (3.6mm/6mm optional)	2.8mm fixed lens (3.6mm, 6mm optional)
FOV-H	93°	88°	113°/89°/56°	106°/87°/53°
Min. Illumination	0.001Lux@ F1.0	0.001Lux@ F1.0	0.002 Lux@F1.6	0.002 Lux@F1.6
Day/Night	Electronic	Color/B/W	Electronic	Electronic
WDR	140dB	120dB	140dB	120dB
Max. IR Distance	--	--	40m (132ft)	40m (132ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	4MP (2688×1520)	1080P (1920×1080)
Frame Rate	25/30fps@4Mp	25/30fps@2Mp	25/30fps@4Mp	25/30fps@1080P
Multi-streaming	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°~360°; Tilt:0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt:0°~78°; Rotation: 0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	Built-in MIC	Built-in MIC
Memory Slot	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, IK10	IP67, IK10	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)
Power	DC12V, PoE (802.3af), Max. 4.4W	DC12V, PoE (802.3af), Max. 3.8W	DC12V, PoE (802.3af), Max. 7.2W	DC12V, PoE (802.3af), Max. 7.2W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection		Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection	
People Counting	Support Line crossing/Region/Queueing people counting 4 areas independent detection		Support Line crossing/Region/Queueing people counting 4 areas independent detection	
General Intelligence				
IVS	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map	Object Abandoned/Missing Heat Map

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

Panoramic Series Network Camera

When designing surveillance applications, wider monitoring coverage and larger zoom requirements have become necessary. Through multi-sensor automatic stitching technology, Dahua Panoramic surveillance realizes 360° no blind spot monitoring with high-speed PTZ that utilizes both panoramic and detailed images to ensure that customers will not miss other targets on the panoramic view while looking at the details of the target's behavior on the PTZ Camera.



Wider Coverage

360° panoramic coverage replaces multiple cameras to save wiring and labor costs for customers.



Crowd Density

Quick alarm linkage alerts monitoring personnel to disperse the crowd to prevent accidents caused by congestion.



Smart Tracking

With 40x optical zoom, it can quickly auto-track moving targets, without missing target behavior details.



AR Map

AR Label displays the video of corresponding camera, making monitoring more visual and convenient, and significantly improving command efficiency.

NETWORK CAMERAS

WizMind Panoramic Series

Panoramic								
Model	IPC-PSDW81642M-A360		IPC-PSDW8842M-A180		IPC-PSDW81642ML-A360		IPC-PSDW8842ML-A180	
Appearance		Wiz Mind 		Wiz Mind 		Wiz Mind 		Wiz Mind 
	Panoramic	PTZ	Panoramic	PTZ	Panoramic	PTZ	Panoramic	PTZ
Image Sensor	Eight 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS	Four 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS	Eight 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS	Four 1/1.8" 2MP CMOS	1/1.8" 4MP CMOS
Lens	5.0mm/F2.0	5.6~223mm/F1.3	5.0mm/F2.0	5.6~223mm/F1.3	5.0mm/F2.0	5.6~223mm/F1.3	5.0mm/F2.0	5.6~223mm/F1.3
FOV-H	360°	2°~61°	180°	2°~61°	360°	360°	180°	180°
Min. Illumination	Color: 0.005Lux@F2.0; B/W: 0.0005Lux@F2.0	Color: 0.001Lux@F1.3; B/W: 0.0001Lux@F1.3; 0Lux@F1.3(IR on)	Color: 0.005Lux@F2.0; B/W: 0.0005Lux@F2.0	Color: 0.001Lux@F1.3; B/W: 0.0001Lux@F1.3; 0Lux@F1.3(IR on)	Color: 0.001Lux@F2.0; B/W: 0.0001Lux@F2.0	Color: 0.001Lux@F1.3; B/W: 0.0001Lux@F1.3; 0Lux@F1.3(IR on)	Color: 0.001Lux@F2.0;B/W: 0.0001Lux@F2.0	Color: 0.001Lux@F1.3; B/W: 0.0001Lux@F1.3; 0Lux@F1.3(IR on)
Max. IR Distance	--	400m(1312ft)	--	400m (1312ft)	--	220m (722ft)	--	220m (722ft)
Day/Night	ICR		ICR		ICR		ICR	
WDR	120dB		120dB		120dB		120dB	
Video Compression	H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG	
Smart Codec	Smart H265+/H264+		Smart H265+/H264+		Smart H265+/H264+		Smart H265+/H264+	
Resolution	(8192×1800)	4MP (2560×1440)	(4096×1800)	4MP(2560×1440)	(8192×1800)	4MP (2560×1440)	(4096×1800)	4MP (2560×1440)
Frame Rate	30fps@ (8192×1800)	30fps@ (2560×1440)	30fps@ (4096×1800)	30fps@ (2560×1440)	30fps@ (8192×1800)	30fps@ (2560×1440)	30fps@ (4096×1800)	30fps@ (2560×1440)
Multi-streaming	3 streams		3 streams		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°	--	Pan: 0°~360°; Tilt:-12°~90° Auto flip 180°	--	Pan: 0°~360°; Tilt:-12°~90° Auto flip 180°
Intelligent Video	Tripwire,Intrusion, Scene Change, Crowd Map		Tripwire,Intrusion, Scene Change, Crowd Map		Tripwire, Intrusion, Scene Change		Tripwire, Intrusion, Scene Change	
Dewarping Mode	--		--		--		--	
Compatibility	ONVIF (Profile G/T/S); GB/T28181; CGI		ONVIF (Profile G/T/S); GB/T28181; CGI		ONVIF (Profile S/Profile G); CGI; Milestone; Genetec		ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	
Audio In/Out	2/2		2/2		2/2		2/2	
Memory Slot	Micro SD, Max. 512GB		Micro SD, Max. 512GB		Micro SD,Max. 512GB		Micro SD,Max. 512GB	
Alarm In/Out	7/3		7/3		7/3		7/3	
Ingress Protection	IP66		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)	
Power	DC36V, Max. 84.4W		DC36V, Max. 77.7W		DC36V,Max. 74.6W		DC36V,Max. 67.9W	

NETWORK CAMERAS

WizMind Panoramic Series

Panoramic						
Model	IPC-PSDW5231S-B120	IPC-PSDW5631S-B360	IPC-PFW83242-A180	IPC-PFW8840-A180	IPC-PDBW8840-A180	
Appearance			 Wiz Mind 8K Starlight	 Wiz Mind 4K Starlight+	 Wiz Mind 4K Starlight+	
	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	Four 1/2.8" 2MP CMOS
Lens	2.0mm/F2.2	2.7mm~13.5mm/F1.8	2.0mm/F2.2	2.7mm~13.5mm/F1.8	2.8mm/F1.6	2.8mm/F1.6
FOV-H	136°	105.9°~33.3°	136°	105.9°~33.3°	180°	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)	0.005Lux	0.002 Lux
Max. IR Distance	15m (49ft)		15m (49ft)		30m (98ft)	30m (98ft)
Day/Night	ICR		ICR		ICR	ICR
WDR	120dB		120dB		DWDR	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/H.264B/H.264H/MJPEG	H.265/H.264/H.264B/H.264H/MJPEG
	Smart H265+/H264+		Smart H265+/H264+		Smart H265+/H264+	Smart H265+/H264+
Resolution	1080P (1920x1080)	1080P (1920x1080)	3x (1920x1080)	1080P (1920x1080)	(8192x3840)	(4096x1800)
Frame Rate	25fps@ (4096x1800)	25fps@ (4096x1800)	25fps@ (4096x1800)	25fps@ (4096x1800)	30fps@ (8192x3840)	30fps@ (4096x1800)
Multi-streaming	3 streams		3 streams		3 streams	3 streams
Pan/Tilt/Rotation	--	Pan: 0° ~ 355°; endless Tilt: 0° ~ 80°	--	Pan: 0° ~ 355°; endless Tilt: 0° ~ 80°	Tilt: 0°~90°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0° ~ 90° Rotation: -20°~20°
Intelligent Video	Tripwire,Intrusion	Tripwire,Intrusion	Tripwire,Intrusion	Tripwire,Intrusion	Crowd Distribution Map,Vehicle Situation,Tripwire,Intrusion	Crowd Distribution Map,Vehicle Situation,Tripwire,Intrusion
Dewarping Mode	--	--	--	--	--	--
Compatibility	ONVIF Profile T, CGI		ONVIF Profile T, CGI		ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Audio In/Out	1/1		1/1		2/1	1/1
Memory Slot	Micro SD, Max. 256GB		Micro SD, Max. 256GB		Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3/2		3/2		2/2	2/2
Ingress Protection	--	--	--	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-10° C ~ +50° C (14° F ~ +122° F)		-10° C ~ +50° C (14° F ~ +122° F)		-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V, Max. 12.7W		DC12V, Max. 16.1W		DC12V, Max. 24.3W	12V DC/24V AC/PoE (802.3at), Max. 16.2W
	12V DC/24V AC/PoE (802.3at), Max. 14.9W		12V DC/24V AC/PoE (802.3at), Max. 14.9W			

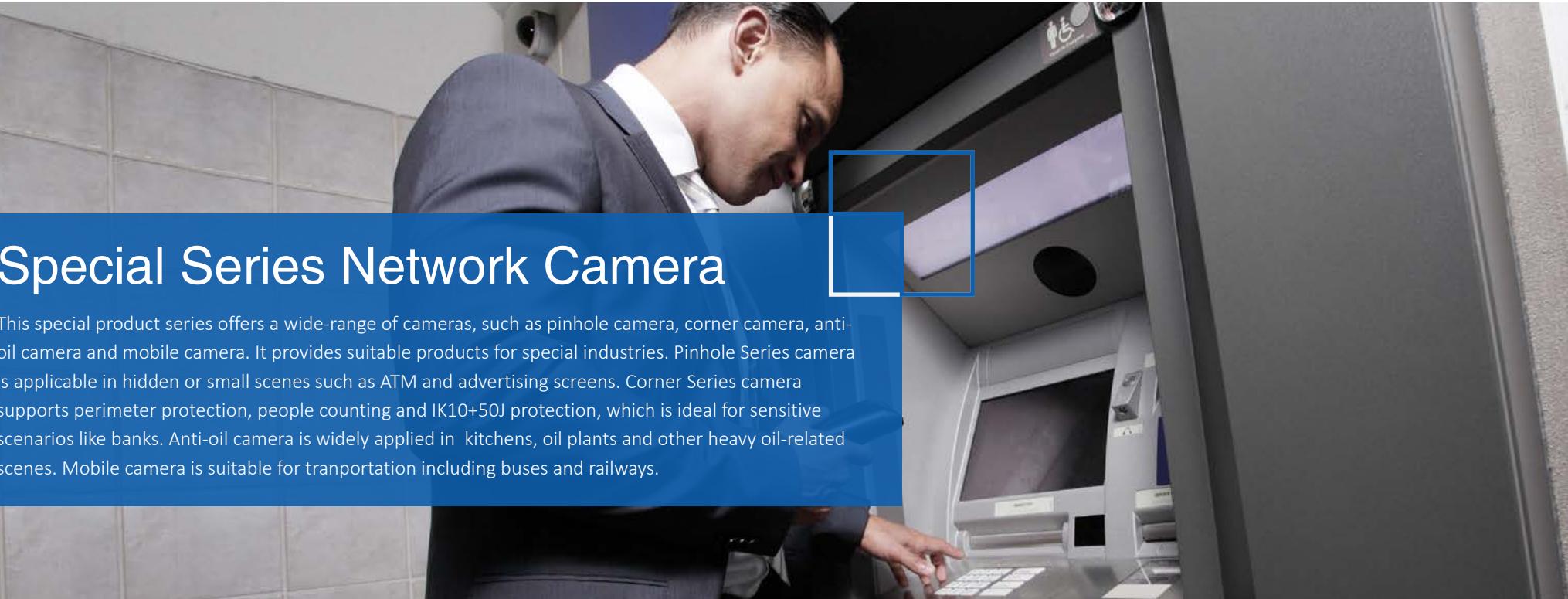
NETWORK CAMERAS

WizMind Panoramic Series

Panoramic						
Model	IPC-PDBW5831-B360	IPC-EBW81242	IPC-EBW8630	IPC-EBW8630-IVC	IPC-EB5531	IPC-EW5531-AS
Appearance						
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/F2.0 (Color,1/3s,30IRE) 0.01Lux/F2.0 (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)	--	10m (32.8ft)
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;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	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~+45°C (-22°F~+113°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

Special Series Network Camera

This special product series offers a wide-range of cameras, such as pinhole camera, corner camera, anti-oil camera and mobile camera. It provides suitable products for special industries. Pinhole Series camera is applicable in hidden or small scenes such as ATM and advertising screens. Corner Series camera supports perimeter protection, people counting and IK10+50J protection, which is ideal for sensitive scenarios like banks. Anti-oil camera is widely applied in kitchens, oil plants and other heavy oil-related scenes. Mobile camera is suitable for transportation including buses and railways.



Pinhole Camera

- Easy Installation
- Optimized Image
- Highly Flexible and Covert
- Face Detection
- 120dB WDR



Corner Camera

- IK10+50J Protection
- No IR Exposure
- Super Wide Angle
- People Counting
- Queue Management
- Perimeter Protection



Anti-oil Camera

- Starlight
- 120dB WDR
- Perimeter Protection
- SMD
- Smart H265+/H264+



Mobile Camera

- People Counting
- Face Detection
- ANPN
- 120dB WDR
- IP67 & IK10

NETWORK CAMERAS

Special Series

Pinhole Camera							
Model	IPC-HUM8431-E1	IPC-HUM8431-L1	IPC-HUM8431-L3	IPC-HUM8431-L4	IPC-HUM8431-L5	IPC-HUM8231-E2	IPC-HUM8231-E1
Appearance		 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	--	--	--	--	Electronic	Electronic
WDR	120dB	--	--	--	--	120dB	120dB
Max. IR Distance	--	--	--	--	--	--	--
Video Compression	H.265+/H.265 H.264+/H.264	--	--	--	--	H.265/H.264	H.265+/H.265 H.264+/H.264
Smart Codec	Smart H265+/H264+	--	--	--	--	Smart H265+/H264+	Smart H265+/H264+
Max. Resolution	4MP (2688×1520)	--	--	--	--	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	30fps@4MP	--	--	--	--	2×30fps@1080P	60fps@1080P
Multi-streaming	3 streams	--	--	--	--	2×2 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	Micro SD, Max. 128GB
Alarm In/Out	2/2	--	--	--	--	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. 6W	--	--	--	--	DC12V, PoE (802.3af) (Class 0), Max. 7W	DC12V, PoE (802.3af) (Class 0), Max. 6W

NETWORK CAMERAS

Special Series

Pinhole Camera								Corner Camera	Anti-oil Camera
Model	IPC-HUM8231-L1	IPC-HUM8231-L3	IPC-HUM8231-L4	IPC-HUM8231-L5	IPC-HUM4231-S2	IPC-HCBW8442		IPC-HFW3441M-AS-SFC-I2	
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	1/1.8" 4MP CMOS	1/3" 4Mp CMOS	
Lens	2.8mm/F2.4	2.8mm/F1.8	2.8mm/F2.4	2.8mm/F2.1	2.8mm/F2.0	2.5mm/F2.0		3.6mm fixed lens (6mm/8mm optional)	
FOV-H	H:104°	H:112°	H:103°	H:111°	H:108°	H:135°		84°(3.6mm); 52°(6mm) 40°(8mm)	
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) 0.1Lux/F1.8 (Color,1/30s,30IRE) 0.01Lux/F1.8 (B/W,1/3s,30IRE) 0.05Lux/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)	0.005 Lux@F2.0		0.004 Lux@F2.0 (Color, 1/3 s, 30 IRE)	0.005 Lux@F1.6	
Day/Night	--	--	--	--	Electronic	Electronic		ICR	
WDR	--	--	--	--	120dB	140dB		120dB	
Max. IR Distance	--	--	--	--	--	--	10m (32.8ft)	50m (164.0ft)	
Video Compression	--	--	--	--	H.265/H.264/H.264B/H.264H/MJPEG	H.265; H.264; H.264H; H.264B; MJPEG support smart codec		H.265; H.264; H.264H; H.264B; MJPEG support smart codec	
Smart Codec	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+		Smart H265+/H264+	Smart H265+/H264+
Max. Resolution	--	--	--	--	1080P (1920x1080)	4MP (2688x1520)		4M (2688x1520)	
Frame Rate	--	--	--	--	30fps@1080P	25/30 fps@4MP		25/30 fps@4MP	
Multi-streaming	--	--	--	--	2 streams	3 streams		3 streams	
Pan/Tilt/Rotation	--	--	--	--	--	Vertical: -10°~+10° Rotation: 0°~355°			
Intelligent Video	--	--	--	--	Tripwire, Intrusion Scene Change Abandoned/Missing	Perimeter Protection People Counting Heat Map		Perimeter Protection SMD	
Compatibility	--	--	--	--	ONVIF (Profile S); CGI; Milestone; Genetec; Dahua Cloud	ONVIF (Profile S/Profile G);CGI,Milestone, Genetec, P2P		ONVIF profile S&G,CGI, P2P,Milestone,Genetec	
Audio In/Out	--	--	--	--	1/1	1/1; Built-in MIC		1/1	
Memory Slot	--	--	--	--	--	Micro SD, Max. 256GB		Micro SD, Max. 256GB	
Alarm In/Out	--	--	--	--	--	1 channel in: 5mA 3V~5V DC 1 channel out: 300mA 12V DC		2 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	
Ingress Protection	--	--	--	--	--	IP67; IK10+50J		IP67	
Working Temperature	--	--	--	--	-40°C ~ +60°C (-40°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)		-40°C~+60°C (-40°F ~ +140°F)	
Power	--	--	--	--	DC12V, Max. 1.4W	DC12V, Max. 11.5W		12V DC/POE, Max.11.6W	

NETWORK CAMERAS

Special Series

Mobile Camera					
Model	IPC-HDBW5241F-M/M12-SA	IPC-HDBW3241F-FD-M/M12	IPC-HDBW4431F-M/M12	IPC-HDBW4231F-M/M12	IPC-HDBW3231F-M/M12
Appearance					
Image Sensor	1/2.8" 2MP progressive scan CMOS	1/2.8" 2MP progressive scan CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP progressive scan CMOS
Lens	2.8mm (3.6mm;6mm;8mm)	2.8mm (3.6mm;6mm;8mm;12mm)	2.8mm/F2.0,3.6mm/F2.0, 6mm/F2.0 optional	2.8mm/F2.0,3.6mm/F2.0, 6mm/F2.0 optional	2.8mm (3.6mm, 6mm optional)
FOV-H	Horizontal 106° × Vertical 56° × Diagonal 126° 3.6 mm: Horizontal 87° × Vertical 46° × Diagonal 104° 6 mm: Horizontal 54° × Vertical 29° × Diagonal 63° 8 mm: Horizontal 40° × Vertical 22° × Diagonal 47°	H: 110° (89.5°)(52.8°)(39.7°)(25.7°) V: 60° (50°)(30°)(22°)(14.4°)	104°/87°/55°	110°/87°/51°H:111°	H: 110° (89.5°, 52.8°) , V: 58° (50°, 30°)
Min. Illumination	0.002 Lux @ F1.6	0.003Lux/F2.0 (Color,1/3s,30IRE) 0.02Lux/F2.0 (Color,1/30s,30IRE) OLux/F2.0 (IR on)	0.08Lux/F2.0 (Color,1/3s,30IRE) 0.3Lux/F2.0 (Color,1/30s,30IRE) OLux/F2.0 (IR on)	0.009Lux/F2.0 (Color,1/3s,30IRE) 0.07Lux/F2.0 (Color,1/30s,30IRE) OLux/F2.0 (IR on)	0.001Lux/F2.1 (Color,1/3s,30IRE) 0.03Lux/F2.1 (Color,1/30s,30IRE) OLux/F2.1 (IR on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR) / Color / B/W	ICR	ICR	Auto(ICR) / Color / B/W
WDR	120 dB	120dB	120dB	120dB	120dB
Max. IR Distance	30 m	Distance up to 50m (164ft)	20m	20m	up to 23m(75.5ft)
Video Compression	H.265/H.264H/H.264/H.264B/MJPEG (Sub Stream)	H.265/H.264H/H.264/H.264B/MJPEG (Sub Stream)	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265/H.264H/MJPEG (Sub Stream)
Smart Codec	1080P(1920×1080)	1080P(1920×1080)	4M (2688×1520)	1080P (1920×1080)	1920 (H)x1080 (V)
Max. Resolution	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Frame Rate	Main Stream: 1080P (1~25/30fps) Sub Stream: D1 (1 ~ 25/30fps) Sub Stream 2: 1080P (1~25/30fps)	Main Stream: 1080P (1~25/30fps) Sub Stream: D1 (1 ~ 25/30fps) Sub Stream 2: 1080P (1~25/30fps)	30fps@4M	60fps@1080P	Main Stream: 1080P (1~25/30fps) Sub Stream: D1 (1 ~ 25/30fps)
Multi-streaming	3 Streams	3 Streams	3 Streams	3 Streams	2 Streams
Pan/Tilt/Rotation	Pan:-30°~30°; Tilt:0°~80°; Rotation:0°~360°	Pan:-30°~30°; Tilt:0°~80°; Rotation:0°~360° Support face image capture	Pan: 0°~60°; Tilt: 0°~80°; Rotation: 0°~360°	Pan: 0°~60°; Tilt: 0°~80°; Rotation: 0°~360°	Pan:-30°~30°; Tilt:0°~80°; Rotation:0°~360°
Intelligent Video	Tripwire; intrusion;Face Detection; People Counting	Support 4 kinds of face attributes extraction: Age, Gender, Expression(Jolly, Calm, Surprise, Sad, Rage),Glasses	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Object Abandoned/Missing
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF; CGI; Milestone; Genetec	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF Profile S & G, API
Audio In/Out	Built-in MIC	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
Memory Slot	Micro SD Card (support max. 256 G)	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Mirco SD card 128GB
Alarm In/Out	--	N/A	--	--	N/A
Ingress Protection	IP67; IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH	-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 (IEEE 802.3af)	DC12V, PoE (IEEE 802.3af) (Class 0)	DC12V, PoE (802.3af), Max. 5W	DC12V, PoE (802.3af), Max. 5W	DC12V, PoE (IEEE 802.3af) (Class 0); DC 12V: 2.6W 3.7W (IR on) PoE: 3.5W 5W (IR on)

NETWORK CAMERAS

Special Series

Mobile Camera					
Model	IPC-HDBW3541F-AS-M	IPC-HDBW3441F-AS-M	IPC-HDBW3241F-AS-M	IPC-MBW4431-AS/M12	IPC-MBW4231-AS/M12
Appearance	 Starlight	 Starlight	 Starlight+		 Starlight
Image Sensor	1/2.7" 5Megapixel progressive CMOS	1/2.7" 4Megapixel progressive CMOS	1/2.8" 2Megapixel progressive CMOS	1/3" 4MP Exmor CMOS	1/2.8" 2MP CMOS
Lens	2.8 mm; 3.6 mm; 6 mm	2.8 mm; 3.6 mm; 6 mm	2.8 mm; 3.6 mm; 6 mm	2.8mm/F2.0,3.6mm/F2.0, 6mm/F2.0 optional	2.8mm/F2.0,3.6mm/F2.0, 6mm/F2.0 optional
FOV-H	2.8 mm: Horizontal: 98°; vertical: 72°; diagonal: 130° 3.6 mm: Horizontal: 80°; vertical: 59° ; diagonal: 106° 6 mm: Horizontal: 50°; vertical: 36°; diagonal: 64°	2.8 mm: Horizontal:103°; vertical: 55°; diagonal: 122° 3.6 mm: Horizontal:84°; vertical: 45° ; diagonal: 100° 6 mm: Horizontal:52°; vertical: 28°; diagonal: 61°	2.8 mm: Horizontal:106°; vertical: 57°; diagonal: 126° 3.6 mm: Horizontal:87°; vertical: 46°; diagonal: 104° 6 mm: Horizontal:54°; vertical: 29°; diagonal: 63°	104°/87°/55°	110°/87°/51°
Min. Illumination	0.005 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6	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)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	ICR	ICR
WDR	120 dB	120 dB	120 dB	120dB	120dB
Max. IR Distance	50m (164.0ft)	50m (164.0ft)	50m (164.0ft)	30m	30m
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG	H.265; H.264; H.264H; H.264B; MJPEG	H.265; H.264; H.264H; H.264B; MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Smart Codec	5M (2592×1944); 4M (2688×1520); 3M (2304×1296); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720); D1 (704×576/704×480); VGA (640×480); CIF (352×288/352×240)	4M (2688×1520); 3M (2304×1296); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720); D1 (704 × 576/704×480); VGA (640×480); CIF (352×288/352×240)	1080p (1920×1080); 1.3M (1280×960); 720p (1280×720); D1 (704 × 576/704×480); VGA (640×480); CIF (352×288/352×240)	4M (2688×1520)	1080P (1920×1080)
Max. Resolution	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Frame Rate	Main stream (2592×1944@1-20 fps) (2688×1520@1-25/30 fps) sub stream (704×576@1-25/30 fps) third stream (1280×720@1-25/30 fps)	Main stream (2688×1520@1-25/30 fps) sub stream (704×576@1-25/30 fps) third stream (1280×720@1-25/30 fps)	Main stream (1920×1080@1-25/30 fps) sub stream (704×576@1-25/30 fps) third stream (1280×720@1-25/30 fps)	30fps@4M	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 Streams	3 Streams
Pan/Tilt/Rotation	Horizontal: -30°~30°; vertical: 0°~80°; rotation: 0° ~360°	Horizontal: 30°~30°; vertical: 0°~80°; rotation: 0° ~360°	Horizontal: -30°~30°; vertical: 0°~80°; rotation: 0°~360°	Pan: 0°~20°; Tilt: -15°~15° Rotation: 0°~360°	Pan: 0°~20°; Tilt: -15°~15° Rotation: 0°~360°
Intelligent Video	Tripwire; intrusion (Recognition of human and vehicle)	Tripwire; intrusion (Recognition of human and vehicle)	Tripwire; intrusion (Recognition of human and vehicle)	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection
Compatibility	ONVIF (Profile S/Profile G); CGI; P2P; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; P2P; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; P2P; Milestone; Genetec	ONVIF (2.4), PSIA, CGI	ONVIF (2.4), PSIA, CGI
Audio In/Out	Built-in MIC	Built-in MIC	Built-in MIC	1/1 channel In/Out (-AS)	1/1 channel In/Out (-AS)
Memory Slot	Micro SD Card (support max. 256 G)	Micro SD Card (support max. 256 G)	Micro SD Card (support max. 256 G)	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Alarm In/Out	--	--	--	1/1 channel In/Out (-AS)	1/1 channel In/Out (-AS)
Ingress Protection	IP67; IK10	IP67; IK10	IP67; IK10	IP67, IP6K9K, IK10	IP67, IP6K9K, IK10
Working Temperature	-40°C to +60°C (-40°F to +140°F)/ less than≤95%	-40°C to +60°C (-40°F to +140°F)/ less than≤95%	-40°C to +60°C (-40°F to +140°F)/ less than≤95%	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	12V DC/PoE (802.3af), <5.7W	12V DC/PoE (802.3af), <5.7W	12V DC/PoE (802.3af), <5.7W	DC12V(-AS), PoE (802.3af), Max. 6.5W	DC12V(-AS), PoE (802.3af), Max. 6.5W

NETWORK CAMERAS

Special Series

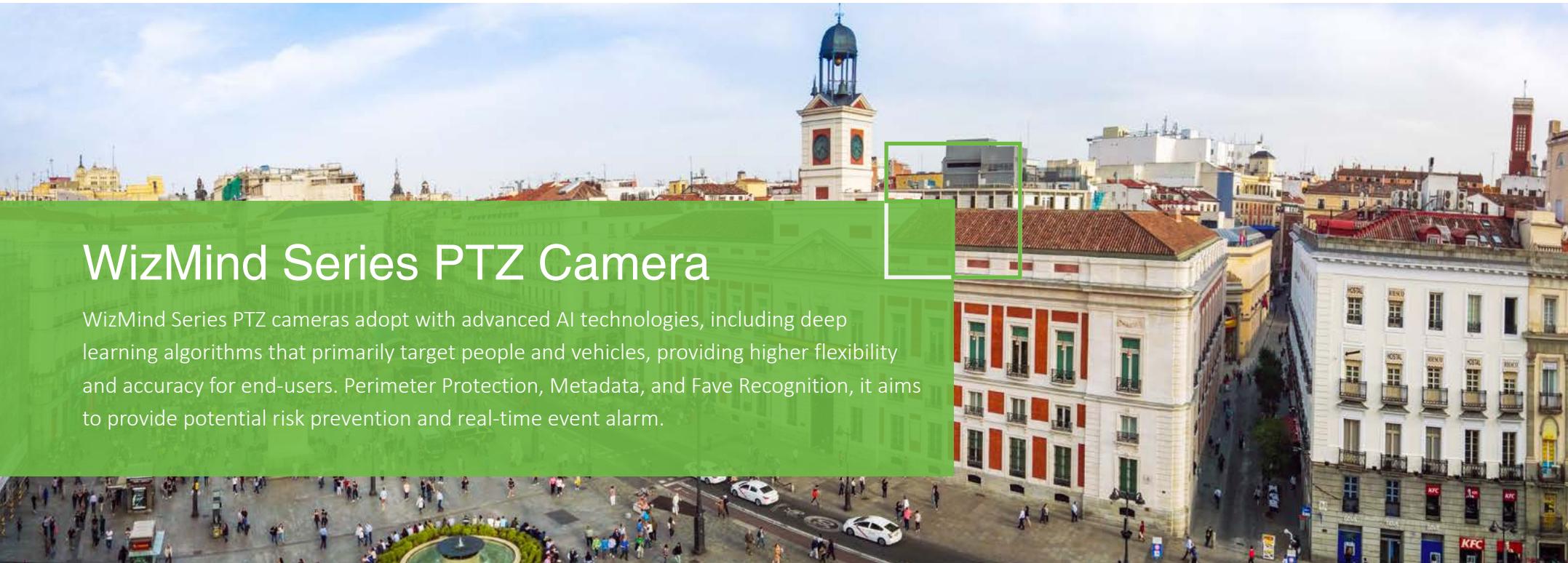
Mobile Camera				
Model	IPC-MW1230D-HM12/VM12	IPC-MDW4330-M12	IPC-HDBW4231F-E2-M/M12	IPC-EB5531-M/M12
Appearance			 Starlight	
Image Sensor	1/2.7" 2MP progressive scan CMOS	1/3" 3MP CMOS	Two 1/2.8" 2MP STARVISTM CMOS	1/2.7" 5MP CMOS
Lens	2.8mm fixed lens (3.6mm, 6mm optional)	2.1mm fixed lens (2.8mm optional)	2.8mm fixed lens (3.6mm optional)	1.4mm fixed lens
FOV-H	H: 115° (86°, 53°), V: 62° (47°, 30°)	121°/86°/ 64°	110° /86°	H: 180°, V: 180°
Min. Illumination	0.02Lux/F2.1 (Color, 1/3s, 30IRE) 0.2Lux/2.1 (Color, 1/30s, 30IRE) 0Lux/F2.1 (IR on)	2.1mm: 0.06Lux/F2.2 (Color, 1/3s, 30IRE) 0.35Lux/2.2 (Color, 1/25s, 30IRE); 0Lux/F2.2 (IR on) 2.8mm, 3.6mm: 0.04Lux/F2.0 (Color, 1/3s, 30IRE) 0.25Lux/2.0 (Color, 1/25s, 30IRE) 0Lux/F2.0 (IR on)	0.009Lux/F2.0 (Color, 1/3s, 30IRE) 0.07Lux/2.0 (Color, 1/30s, 30IRE) 0Lux/F2.0 (IR on)	0.02Lux/F1.6 (Color, 1/3s, 30IRE) 0.2Lux/1.6 (Color, 1/30s, 30IRE) 0.05Lux/F1.6 (B/W, 1/3s, 30IRE) 0.5Lux/1.6 (B/W, 1/30s, 30IRE)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Auto(ICR) / Color / B/W	Electronic
WDR	DWDR	DWDR	120dB, only fot CH1	120dB
Max. IR Distance	Distance up to 30m (98ft)	20m	20m	N/A
Video Compression	H.265+/H.265/H.264+/H.264	H.265/H.264H/MJPEG (Sub Stream)	H.265/H.264H/MJPEG (Sub Stream)	H.265+/H.265/H.264+/H.264
Smart Codec	1080P (1920×1080)	3MP (2048×1536)	2MP (1920×1080)	5M (2592×1944)
Max. Resolution	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Frame Rate	Main Stream: 1080P (1~25/30fps) Sub Stream: D1 (1~25/30fps)	3M (1~25fps)	1080P (1~25/30fps)	Main Stream: 5M (1~25fps) Sub Stream: D1 (1~25/30fps)
Multi-streaming	2 Streams	3 Streams	2 streams	3 streams
Pan/Tilt/Rotation	N/A	Pan: 0°~360°; Tilt: ±40° Rotation: 0°~360°	Pan:±90° ; Tilt:0°~65° Rotation:0°~360°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~360°
Intelligent Video	--	Tripwire, Intrusion, Object Abandoned/ Missing, Face Detection	Tripwire, Intrusion, Object Abandoned/ Missing, Face Detection	Tripwire, Intrusion, Object Abandoned/ Missing, Face Detection
Compatibility	ONVIF profile S, CGI	ONVIF Profile S & G, API	ONVIF Profile S&G, API	ONVIF Profile S&G, API
Audio In/Out	N/A	1 Built-in Mic	Built-in Mic	Built-in Mic
Memory Slot		Mirco SD card 128GB	Mirco SD card 128GB	Mirco SD card 128GB
Alarm In/Out	N/A		N/A	N/A
Ingress Protection	IP67, IP6K9K	N/A	IP67, IK10	IP67, IK08
Working Temperature	-30° C ~ +60° C (-22° F ~ +140° F)/Less than 95% RH	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, <3.7W	DC 12V (M12 Connector)	M Model: DC12V, PoE (802.3af) (Class 0) M12 Model: PoE (802.3af) (Class 0)	M Model: DC12V+PoE M12 Model: PoE

NETWORK PTZ CAMERAS



WizMind Series PTZ Camera

WizMind Series PTZ cameras adopt with advanced AI technologies, including deep learning algorithms that primarily target people and vehicles, providing higher flexibility and accuracy for end-users. Perimeter Protection, Metadata, and Face Recognition, it aims to provide potential risk prevention and real-time event alarm.



Face Recognition

It provides highly accurate detection and recognition with advanced AI technology.



Auto Tracking

Auto tracking supports targets classification tracking.



Video Metadata

Attribute information are extracted from targets, including human body, human face, as well as motor and non-motor vehicles.



OIS

Large Optical Zoom with Optical Image Stabilization offers better performance.

NETWORK PTZ CAMERAS

WizMind Series

Panoramic-detail Camera

Model	SDT5X405-4F-WA		SDT5X225-2F-WA-0600	
Appearance	 <div style="text-align: center;"> Wiz Mind H.265+ Starlight+ </div>		 <div style="text-align: center;"> Wiz Mind H.265+ Starlight </div>	
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	6mm	10mm~50mm (5x Optical zoom)	6mm	4.8mm~120mm (25x Optical zoom)
FOV-H	57°	45°~10°	53.7°	59.6°~4.8°
Min. Illumination	0.0005Lux/F1.0 (Color) 0.0001Lux/F1.0 (B/W)	0.001Lux/F1.3 (Color) 0Lux/F1.3 (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
Max. IR Distance	30m (98.43ft)	100m (328.08ft)	30m (98.43ft)	100m (328.08ft)
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	4MP (2688×1520)	4MP (2688×1520)	2MP (1920×1080)	2MP (1920×1080)
Frame Rate	30fps@4MP	30fps@4MP	60fps@2MP	60fps@2MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~250° Tilt: -10°~90°	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~250° Tilt: -10°~90°
Preset Speed	Pan: 100°/s; Tilt: 25°/s	Pan: 120°/s; Tilt: 50°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 120°/s; Tilt: 50°/s
Compatibility	ONVIF Profile S & G & T, API		ONVIF Profile S & G & T, API	
Audio In/Out	1/1		1/1	
Memory Slot	Micro SD, Max. 256GB		Micro SD, Max. 256GB	
Alarm In/Out	2/1		2/1	
Ingress Protection	IP67		IP67	
Working Temperature	-40°C~+70°C (-40°F~+158°F)		-40°C~+70°C (-40°F~+158°F)	
Power	DC36V, POE+ (802.3at), Max. 40W		DC36V, POE+ (802.3at), Max. 40W	
Artificial Intelligence				
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing
Auto Tracking	--	Supported	--	Supported
Video Metadata	Supported	Supported	--	--
Face Recognition	Supported	Supported	--	--
Face Detection	Supported	Supported	--	--

NETWORK PTZ CAMERAS

WizMind Series

IR PTZ Camera							
Model	SD10A848WA-HNF	SD10A260WA-HNF	SD8A840WA-HNF	SD8A820WA-HNF	SD8A440WA-HNF	SD8A250WA-HNF	SD8A240WA-HNF
Appearance	 Wiz Mind 4K H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind 4K H.265+ Polarlight	 Wiz Mind 4K H.265+ Polarlight	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ OIS	 Wiz Mind H.265+ Starlight+
Image Sensor	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 2MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS	4/3" 8MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/1.8" 2MP CMOS
Lens	5.7mm~275mm (48x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm~223mm (40x Optical zoom)	16mm~320 mm (20x Optical zoom)	5.6mm~223mm (40x Optical zoom)	6.6mm~330mm (50x Optical zoom)	5.6mm~223mm (40x Optical zoom)
FOV-H	64.9°~1.8°	64.9°~1.4°	63.9°~2.0°	58.1°~3.2°	63.9°~2.0°	41.3°~1.1°	70.3°~1.8°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.002Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.0005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.05Lux@F1.8 (Color) 0Lux@F1.8 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	450m (1476ft)	450m (1476ft)	500m (1640ft)	500 m (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	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)	1080P (1920×1080)	4K (3840×2160)	4K (3840×2160)	4MP (2560×1440)	1080P (2560×1440)	1080P (1920×1080)
Frame Rate	30fps@4K	30fps@1080P	30fps@4K	30fps@4K	30fps@4MP	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: -30°~90°	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°	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: 200°/s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 120°/s
Compatibility	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, 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	7/2	7/2	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	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)	-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	DC36V, Hi-POE, Max. 42W	DC36V, Hi-POE, Max. 42W	AC24V, Hi-PoE, Max. 42W	AC24V, Hi-POE, Max. 42W	AC24V, Hi-PoE, Max. 42W	AC24V, Hi-PoE, Max. 38W	AC24V, Hi-PoE, Max. 38W
Artificial Intelligence							
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification) , Object Abandoned, Object Missing
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	Supported	Supported	Supported	Supported	Supported
Face Detection	--	--	Supported	Supported	Supported	Supported	Supported

NETWORK PTZ CAMERAS

WizMind Series

Laser PTZ Camera							IR PTZ Camera							Vandal-proof PTZ Camera	
Model	SD6AL445XA-HNR	SD6AL233XA-HNR	SD6AL445XA-HNR-IR	SD6AL233XA-HNR-IR	SD6AE233XA-HNR	SD65F233XA-HNR									
Appearance	 Wiz Mind H.265+ Starlight	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+									
Image Sensor	1/2.8" 4MP CMOS	1/1.8" 2M CMOS	1/2.8" 4MP CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS									
Lens	3.9~177.7 mm (45x Optical zoom)	5.8mm~191.4mm (33x Optical zoom)	3.9~177.7 mm (45x Optical zoom)	5.8mm~191.4mm (33x Optical zoom)	5.8~191.4mm (33x Optical zoom)	5.8mm~191.4mm (33x Optical zoom)									
FOV-H	70.3°~1.8°	60.1°~3.2°	70.3°~1.8°	60.1°~3.2°	60.1°~3.2°	60.1°~3.2°									
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.5 (Color) 0Lux/F1.5 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.5 (Color) 0Lux/F1.5 (IR on)	0.001Lux/F1.5 (Color) 0Lux/F1.5 (IR on)	0.001Lux/F1.5 (Color) 0Lux/F1.5 (IR on)									
WDR	120dB	120dB	120dB	120dB	120dB	120dB									
Max. IR Distance	550m (1804ft)	550m (1804ft)	300m (984ft)	300m (984ft)	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	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 (2560x1440)	1080P (1920x1080)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)									
Frame Rate	30fps@4MP	60fps@1080P	30fps@4MP	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: -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: 240°/s; Tilt: 200°/s									
Compatibility	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, 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	7/2	7/2	7/2									
Ingress Protection	IP67	IP67	IP67	IP67	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)	-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	DC36V, Hi-PoE, Max. 36W	AC24V, Hi-PoE, Max. 33W	DC36V, Hi-PoE, Max. 36W	AC24V, Hi-PoE, Max. 32W	AC24V, Hi-PoE, Max. 32W	AC24V, PoE+, Max. 34W									
Artificial Intelligence															
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing									
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported									
Smart Capture	Supported	Supported	Supported	Supported	Supported	Supported									
Face Recognition	--	--	--	--	--	--									
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported									

All-environment Series

All-environment Series is designed for projects with high 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).



Powerful Zoom

Its 25x, 40x, 48x and 60x optical zoom easily covers large areas.



Super IR Range

Cameras provide up to 1,200m IR range performance even in dark environments.



Perimeter Protection

Supports people and vehicle classification, which significantly improves accuracy, reduces false alarms and decreases pixel count requirements for object detection.



PFA

Improves focusing performance to a new level.

NETWORK PTZ CAMERAS

All-environment Series

Laser Positioning System						IR Positioning System					
Model	PTZ85260-HNF-WA-FL	PTZ85260-HNF-WA	PTZ83840-HNF-WA	PTZ83440-HNF-WA	PTZ83240-HNF-WA	PTZ85260-HNF-WA	PTZ83840-HNF-WA	PTZ83440-HNF-WA	PTZ83240-HNF-WA	PTZ85260-HNF-WA	PTZ83840-HNF-WA
Appearance	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind 4K H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind 4K H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind H.265+ Starlight+	 Wiz Mind 4K H.265+ Starlight+
Image Sensor	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/1.8" 8MP STARVIST™ CMOS	1/1.8" 4MP CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/1.8" 8MP STARVIST™ CMOS	1/1.8" 4MP CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/1.8" 8MP STARVIST™ CMOS
Lens	5.6mm~336mm (60x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm~224mm (40x Optical zoom)	5.6mm~224mm (40x Optical zoom)	5.6mm~224mm (40x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm~224mm (40x Optical zoom)	5.6mm~224mm (40x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm~224mm (40x Optical zoom)
FOV-H	56.4°~1.2°	56.4°~1.2°	63.9°~2.0°	63.9°~2.0°	70.3°~1.8°	56.4°~1.2°	63.9°~2.0°	63.9°~2.0°	70.3°~1.8°	56.4°~1.2°	63.9°~2.0°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/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)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/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)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	1000m (3280.84ft)	400m (1312.34ft)	400m (1312.24ft)	400m (1312.24ft)	400m (1312.24ft)	400m (1312.34ft)	400m (1312.24ft)	400m (1312.24ft)	400m (1312.24ft)	400m (1312.24ft)	400m (1312.34ft)
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	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)	4K (3840×2160)	4M (2560×1440)	1080P (1920×1080)	1080P (1920×1080)	30fps@4K	30fps@4M	30fps@2M	30fps@2M	1080P (1920×1080)
Frame Rate	30fps@1080P	30fps@1080P	30fps@4K	30fps@4M	30fps@2M	30fps@1080P	30fps@4K	30fps@4M	30fps@2M	30fps@2M	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	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	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s
Compatibility	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API
Audio In/Out	1/1	1/1	1/1	1/1	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	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	7/2	7/2	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	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)	-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)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Max. 67.5W	DC36V, Max. 61.6W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W	DC36V, Max. 61.35W
Artificial Intelligence											
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing	Tripwire, Intrusion(Human & Vehicle classification), Object Abandoned, Object Missing
Auto Tracking	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Detection	--	--	--	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK PTZ CAMERAS

All-environment Series

Model	IR Positioning System	Anti-corrosion PTZ Camera	Anti-corrosion Camera	
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
Lens	3.95~177.7mm (45x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	3.6mm/F2.1 6mm/F2.0
FOV-H	70.3°~1.8°	67.8° ~ 2.4°	67.8° ~ 2.4°	87° / 51°
Min. Illumination	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/F2.1(Color) 0Lux/F2.1(IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	350m (1148ft)	--	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.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)
Frame Rate	60fps@1080P	60fp@1080P	60fp@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~360° endless (Effective angle:-55°~+223°)	Pan: 0°~360° endless Tilt: -20°~90°	--	--
Preset Speed	Pan: 120°/s; Tilt: 60°/s	Pan: 600°/s; Tilt: 500°/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 & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, 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	2/2	--
Ingress Protection	IP68	IP68, IK10	IP68	IP68, IK10
Working Temperature	-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)	-40°C ~ +70°C(-40°F~+158°F)	-40°C ~ +60°C(-40°F~+140°F)
Power	AC24V: Max. 80W AC24V(-B Model), Hi-PoE: Max. 40W	AC24V, PoE+(802.3at) Max. 20W	AC24V, DC12V, PoE+(802.3at) Max. 25W	DC12V, PoE(802.3af) Max. 5W

NETWORK PTZ CAMERAS

All-environment Series

Explosion-proof Camera						Explosion-proof PTZ Camera
Model	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	
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	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)	4.5~135mm (30x Optical zoom)
FOV-H	67.8°~2.4°	70.3°~1.8°	70.3°~1.8°	67.8°~2.4°	67.8°~2.4°	67.8°~2.4°
Min. Illumination	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)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	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
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	60fps@1080P
Multi-streaming	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°	Pan: 0°~360° endless Tilt: -90°~90°
Preset 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	Pan: 40°/s; Tilt: 40°/s
Intelligent Video	Tripwire, Intrusion Abandoned/ Missing Face detection	--	--	--	--	--
Compatibility	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, API	ONVIF Profile S & G & T, 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	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP68	IP68	IP68	IP68	IP68	IP68
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	AC220V (AC100V~240V), Hi-PoE Max. 25W	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W	AC220V (AC100V~240V) Max. 75W

NETWORK VIDEO RECORDERS



WizMind Series NVR

The WizMind series, which adopts advanced AI chip and industrial design, delivers more powerful artificial intelligence performance. Featuring face recognition, perimeter protection, and video metadata algorithm, it provides users with real-time event alarms, as well as quick target tracking.



Face Recognition

Supports recording of face image metadata and real-time crosschecking with incredible accuracy to locate the face image that matches the target's features.



Perimeter Protection

Supports people and vehicle classification, which significantly improves accuracy, reduces false alarms and decreases pixel count requirements for object detection.



Video Metadata

Attribute information are extracted from targets, including human body, human face, as well as motor and non-motor vehicles.



Rich Features

Offers AI by camera features including ANPR, Perimeter Protection, Face Detection, Heat Map, People Counting and SMD Plus.

NETWORK VIDEO RECORDERS

WizMind NVR

WizMind IVSS						
Model	IVSS7024 (DR)-16I	IVSS7024 (DR)-8I	IVSS7016 (DR)-8I	IVSS7016 (DR)-4I	IVSS7008-2I	IVSS7008-1I
Appearance						
Processor	Intel Quad Core CPU	Intel Quad Core CPU	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	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	256 channel	256 channel	256 channel	256 channel	128 channel	128 channel
Max Input/Record	512Mbps/384Mbps	512Mbps/384Mbps	512Mbps/384Mbps	512Mbps/384Mbps	400Mbps/320Mbps	400Mbps/320Mbps
Max Decoding	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	5ch@8MP/20ch@1080P	5ch@8MP/20ch@1080P
Display	3HDMI, 1VGA, LCD (optional)	3HDMI, 1VGA, LCD (optional)	3HDMI, 1VGA, LCD (optional)	3HDMI, 1VGA, LCD (optional)	3HDMI, 2VGA	3HDMI, 2VGA
Max HDD	24x10TB	24x10TB	16x10TB	16x10TB	8x10TB	8x10TB
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	1/2	1/2	1/2	1/2	1/-	1/-
Audio In/Out	1/1	1/1	1/1	1/1	1/2	1/2
Alarm In/Out	16/8	16/8	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	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	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC100V~240V, Redundant (optional) <144W (Without HDD)	AC100V~240V, Redundant (optional) <120W (Without HDD)	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	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P
Artificial Intelligence by Device						
Perimeter Protection	Up to 256 channel perimeter protection	Up to 128 channel perimeter protection	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	Up to 256 channels face recognition with FD camera; Up to 128 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 64 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 64 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 32 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 16 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 8 channels face recognition with normal camera; 50 face database with up to 300,000 face images in total
Video Metadata	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	Search by face images
SMD Plus	--	--	--	--	--	--
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	--	--	--	--	--	--
People Counting	--	--	--	--	--	--
Heat Map	--	--	--	--	--	--
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

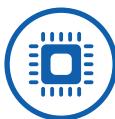
WizMind NVR

NETWORK VIDEO RECORDER

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	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/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	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, P2P	Fisheye Dewarp, POS, ePoE&EoC, Plug & Play, P2P	Fisheye Dewarp, POS, ePoE&EoC, Plug & Play, P2P	Fisheye Dewarp, POS, ePoE&EoC, Plug & Play, P2P
Artificial Intelligence by Device					
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	Up to 16 channel perimeter protection
Face Recognition	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	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	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	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	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
Video Metadata	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
SMD Plus	Up to 16 channel SMD Plus	Up to 16 channel SMD Plus	Up to 16 channel SMD Plus	Up to 16 channel SMD Plus	Up to 16 channel SMD Plus
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported

Ultra Series NVR

The Ultra Series is an ideal option for applications which require powerful performance and high reliability. Its multi-core CPU and redundant design ensures stability while its advanced intelligent features provide complex applications with intelligent video analytics.



Powerful Processor

Multi-core Intel CPU provides high performance processing



Industrial Design

High quality design ensures high reliability and data safety.



Data Protection

RAID 0/1/5/10, N+M Failover.



Rich Features

Offers AI by camera features including ANPR, Perimeter Protection, Face Detection, Heat Map, People Counting and SMD Plus.

NETWORK VIDEO RECORDERS

Ultra Series

Model	Ultra 4K & H.265 IVSS					16HDD Ultra 4K & H.265 NVR
	IVSS7024DR	IVSS7024	IVSS7016DR	IVSS7016	IVSS7008	NVR616DR-128-4KS2
Appearance						
Processor	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Quad Core CPU	Intel Dual 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	256 channel	256 channel	256 channel	256 channel	128 channel	128 channel
Max Input/Record	768Mbps/768Mbps	768Mbps/768Mbps	768Mbps/768Mbps	768Mbps/768Mbps	512Mbps/400Mbps	384Mbps/384Mbps
Max Decoding	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	6ch@8MP/24ch@1080P	5ch@8MP/20ch@1080P	4ch@8MP/16ch@1080P
Display	3HDMI, 1VGA, LCD	3HDMI, 1VGA	3HDMI, 1VGA, LCD	3HDMI, 1VGA	3HDMI, 2VGA	2HDMI, 1VGA, LCD
Max HDD	24x10TB	24x10TB	16x10TB	16x10TB	8x10TB	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	1/2	1/2	1/2	1/2	1/-	1/1
Audio In/Out	1/1	1/1	1/1	1/1	1/2	1/1, 2-way
Alarm In/Out	16/8	16/8	16/8	16/8	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	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, Redundant <144W (Without HDD)	AC100V~240V, <144W (Without HDD)	AC100V~240V, Redundant <122W (Without HDD)	AC100V~240V, <122W (Without HDD)	AC100V~240V <40W (Without HDD)	AC100V~240V, Redundant <51W (Without HDD)
Star Features	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	--	--	--	--	--	Supported
People Counting	--	--	--	--	--	Supported
Heat Map	--	--	--	--	--	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK VIDEO RECORDERS

Ultra Series

16HDD Ultra 4K & H.265 NVR						
Model	NVR616R-128-4KS2	NVR616D-128-4KS2	NVR616-128-4KS2	NVR616DR-64-4KS2	NVR616R-64-4KS2	NVR616D-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	128 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@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P
Display	2HDMI, 1VGA	2HDMI, 1VGA, LCD	2HDMI, 1VGA	2HDMI, 1VGA, LCD	2HDMI, VGA	2HDMI, 1VGA,LCD
Max HDD	16×8TB	16×8TB	16×8TB	16×8TB	16×8TB	16×8TB
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, Redundant <51W (Without HDD)	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)
Star Features	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P
Artificial Intelligence by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

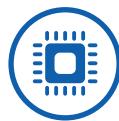
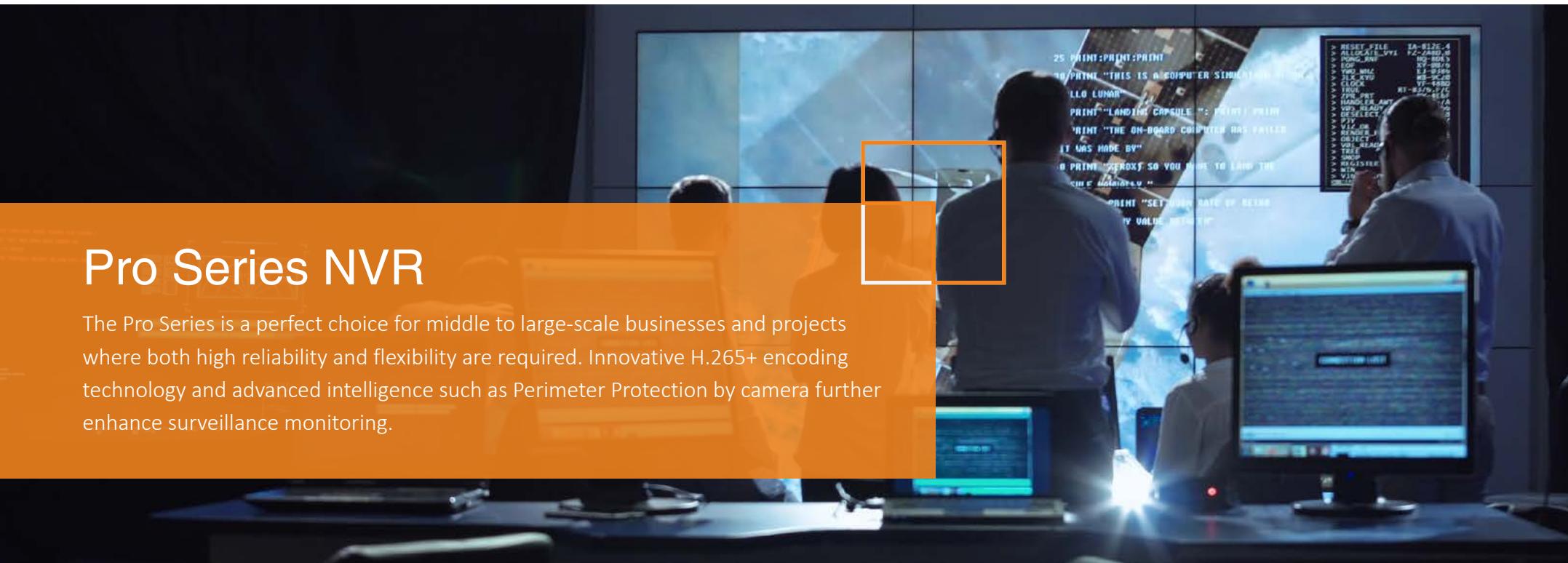
NETWORK VIDEO RECORDERS

Ultra Series

16HDD Ultra 4K & H.265 NVR							8HDD Ultra 4K & H.265 NVR						
Model	NVR616-64-4KS2	NVR608R-128-4KS2	NVR608-128-4KS2	NVR608R-64-4KS2	NVR608-64-4KS2	NVR608-32-4KS2							
Appearance													
Processor	Intel Quad Core CPU	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	H.265+/H.265/H.264+/H.264							
IP Video Inputs	64 channel	128 channel	128 channel	64 channel	64 channel	32 channel							
Max Input/Record	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps							
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	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA							
Max HDD	16x8TB	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	0/1/5/10							
eSATA/Mini SAS	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	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	2 USB3.0, 2 USB2.0							
Power	AC100V~240V <51W (Without HDD)	AC100V~240V, Redundant <40W (Without HDD)	AC100V~240V <40W (Without HDD)	AC100V~240V, Redundant <40W (Without HDD)	AC100V~240V, Redundant <40W (Without HDD)	AC100V~240V <40W (Without HDD)							
Star Features	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P	Fisheye Dewarp, Smart Track, POS, N+M, P2P							
Artificial Intelligence by Camera													
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported							
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported							
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported							
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported							
People Counting	Supported	Supported	Supported	Supported	Supported	Supported							
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported							
ANPR	Supported	Supported	Supported	Supported	Supported	Supported							

Pro Series NVR

The Pro Series is a perfect choice for middle to large-scale businesses and projects where both high reliability and flexibility are required. Innovative H.265+ encoding technology and advanced intelligence such as Perimeter Protection by camera further enhance surveillance monitoring.



Powerful Processor

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



Smart H.265+ & Smart H.264+

Supports Smart H.265+/H.264+ decoding, providing high-quality videos and reducing storage and transmission costs.



Advanced Intelligence

Offers AI by camera features including ANPR, Perimeter Protection, Face Detection, Heat Map, People Counting and SMD Plus.



Rich Features

Fisheye dewarp, POS, P2P.

NETWORK VIDEO RECORDERS

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	8x10TB	8x10TB	8x10TB
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 by Camera			
Perimeter Protection	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported
People Counting	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported
ANPR	Supported	Supported	Supported

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						
	V2.00 H.265+	V2.00 H.265+	V2.00 H.265+	H.265+	H.265+	V2.00 H.265+
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	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	4×10TB	4×10TB	4×10TB	4×10TB	2×10TB	
RAID	--	--	--	--	--	
eSATA/Mini SAS	1/-	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 by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

 • Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

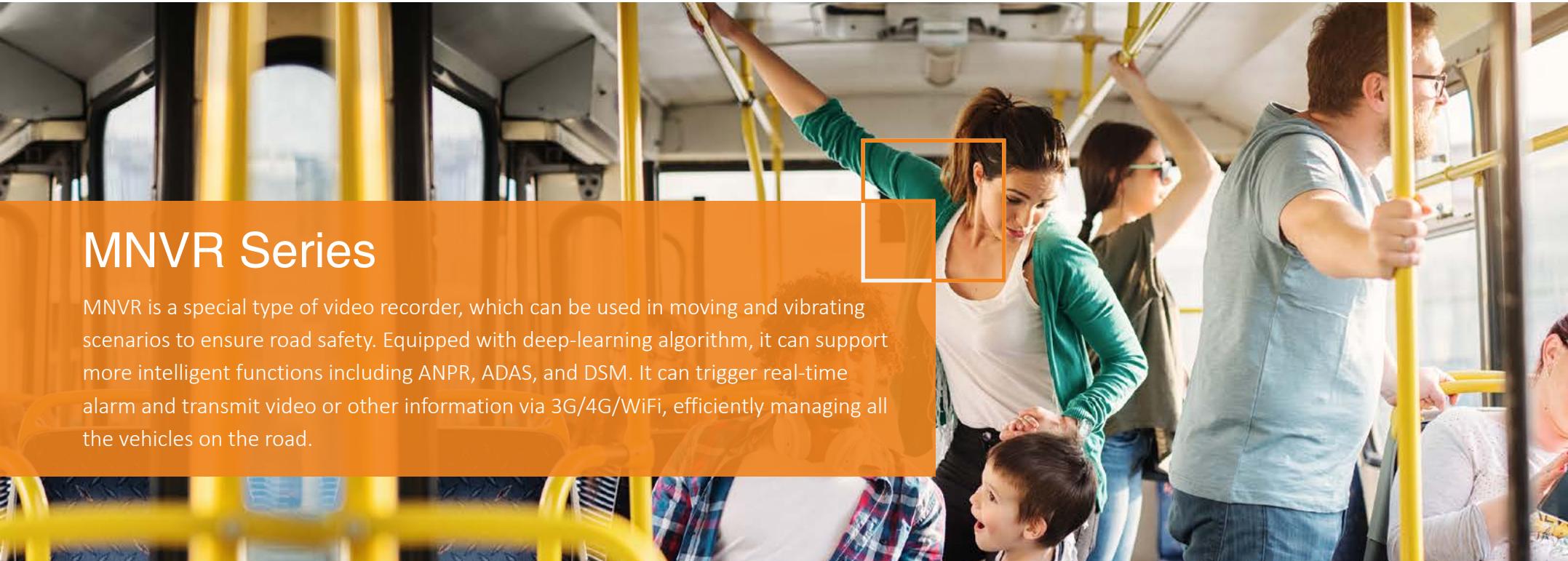
NETWORK VIDEO RECORDERS

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						
	V2.00 H.265+	V2.00 H.265+	H.265+	ePoE H.265+	ePoE H.265+	ePoE H.265+
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 1-8 PoE ports support ePoE & EoC	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 by Camera						
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	Supported	Supported	Supported	Supported	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	Supported	Supported

MNVR Series

MNVR is a special type of video recorder, which can be used in moving and vibrating scenarios to ensure road safety. Equipped with deep-learning algorithm, it can support more intelligent functions including ANPR, ADAS, and DSM. It can trigger real-time alarm and transmit video or other information via 3G/4G/WiFi, efficiently managing all the vehicles on the road.



Extreme Environment Performance

- Supports Wide-range temperature: -30~75 °C.
- Supports Anti-vibration.



Reliable Power Design

- Supports data writing even after sudden power failure.
- Supports 6V to 36V wide power voltage input.



Wireless Transmission

- Supports transmission of real-time video or alarm via 3G/4G/WiFi.
- Supports GPS module.



AI Functions

- Supports ANPR, Advanced Driver Assistance System, Driver Status Monitoring, as well as Face Comparison in 8 series.

MOBILE NVR

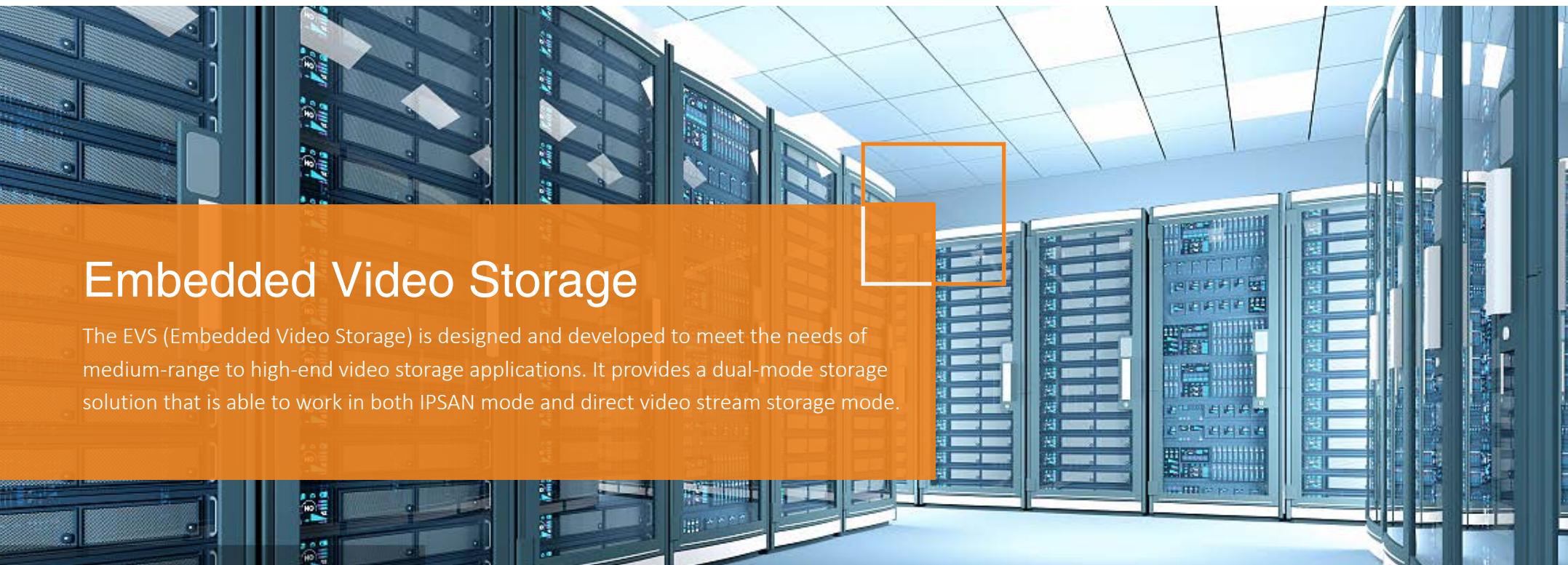
MNVR Series

NETWORK VIDEO RECORDER

Model	MNVR8104/8208-I Series	MNVR4104/4208 Series	MXVR4104 Series	MXVR1004 Series
Appearance				
Feature	AI H.265 MNVR	H.265 MNVR	H.265 MXVR	H.265 Dual SD card MXVR
Decode Resolution	4MP	4MP	1080P	1080P
Video Input	4/8 channel+ADAS+DSM	4/8 channel	4 channel aviation connector	4 channel aviation connector
Compression	H.265/smart H.265/H.264/smart H.264	H.265/smart H.265/H.264/smart H.264	H.265/smart H.265/H.264/smart H.264	H.265/smart H.265/H.264/smart H.264
Video Output	VGA, HDMI	VGA, HDMI, TV	VGA, TV	TV
Audio talk	1 channel	1 channel	1 channel	1 channel
HDD	support 1/2 sata HDD	Support 1/2 sata HDD	Support 1 sata HDD	--
SD Card	1 SD card	1 SD card	1 SD card	2 SD cards
Backup Mode	External USB storage device; network backup	External USB storage device; network backup	External USB storage device; network backup	External USB storage device; network backup
Alarm Input	9 channels (1-8 local alarm, 9 pulse input)	9 channels (1-8 local alarm, 9 pulse input)	9 channels (1-8 local alarm, 9 pulse input)	7 channels (7th is the pulse input)
Alarm Output	1 channel relay output, 1channel 12V output	1 channel relay output, 1channel 12V output	1 channel relay output, 1channel 12V output	1 channel relay output, 1channel 12V output
USB	2 USB3.0, 1 USB 2.0	3 USB 2.0	3 USB 2.0	2 USB 2.0
Network Interface	RJ45 (10/100/100Mbps) (Front panel)+4 POE; RJ45 (10/100/100Mbps) (Front panel)+8 POE	RJ45 (10/100/100Mbps) (Front panel)+4 POE; RJ45 (10/100/100/1000Mbps) (Front panel)+8 POE	1 RJ45 (Front panel); 1 6-pin aviation connector (Rear panel)	RJ45 (10/100Mbps) (Rear panel)
RS232	2	2	2	1
RS485	1	2	1	1
CAN	1	1	--	--
GPS	optional	optional	optional	optional
3G/4G	optional	optional	optional	optional
WIFI	optional	optional	optional	optional
G-Sensor	gyro	gyro	g-sensor	g-sensor
Power	Built in power DC 6V-36V	Built in power DC 6V-36V	Built in power DC 6V-36V	Built in power DC 6V-36V
Power Off Protection	Built-in UPS	Built-in UPS	Built-in UPS	Built-in UPS
Power	≤12W (without HDD)	MNVR4104:<10.2 W (without HDD) MNVR4208:<11.1 W (without HDD)	<8.4W (without HDD)	<6.7W, (without HDD)
Working Temperature	-30°C~+70°C (heater option)	-30°C~+70°C (heater option)	-30°C~+70°C (heater option)	-30°C~+70°C
Size (W×H×L)	180mm×190mm×50mm	180mm×190mm×50mm	180mm×190mm×50mm	160mm×138mm×48mm
Weigh	2.1kg (gross weight)	MNVR4104:2.93Kg (gross weight) MNVR4208:3.10Kg (gross weight)	2.83Kg (gross weight)	1.75Kg (gross weight)
Certification	CE/FCC/EN50155/ISO7637-2/ISO16750	CE/FCC/EN50155/ISO7637-2/ISO16750/ E-mark/BIS/EN45545-2	CE/FCC/EN50155/ISO7637-2/ISO16750/BIS	CE/FCC/EN50155/ISO7637-2/ISO16750/BIS

EMBEDDED VIDEO STORAGE





Embedded Video Storage

The EVS (Embedded Video Storage) is designed and developed to meet the needs of medium-range to high-end video storage applications. It provides a dual-mode storage solution that is able to work in both IPSAN mode and direct video stream storage mode.



Modular Design

All key modules allows hot-swap and redundant configuration to ensure stability.



RAID

Supports RAID 0/1/5/6/10/50/60 for faster and safer recording.



N+M Failover

M failover nodes provide highly reliable redundancy to take over multiple faulty nodes for video safety.



Storage Extension Capacity

Local extension connects with expansion storage cabinet via mini SAS HD interface.

EMBEDDED VIDEO STORAGE

EVS Series

	Model	EVS7148D	EVS7124D	EVS7148S	EVS7136S	EVS7124S
	Appearance					
System	Main processor	Double Controller (64-bit multi-core processor)	Double Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)
	Operation system	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
	Memory	8 GB (extendable to 64GB) for each controller	8 GB (extendable to 64GB) for each controller	8 GB (extendable to 64 GB)	8 GB (extendable to 64 GB)	8 GB (extendable to 64 GB)
Performance	Video direct storage (Private protocol)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	Video direct storage (ONVIF protocol)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	Video direct storage (Auto register)	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding	512-channel (1024 Mbps) access, storage and forwarding
	IPSAN mode	Write-through: 900 Mbps, Write-back: 1200 Mbps	Write-through: 900 Mbps, Write-back: 1200 Mbps	Write-through: 900 Mbps, Write-back: 1200 Mbps	Write-through: 900 Mbps, Write-back: 1200 Mbps	Write-through: 900 Mbps, Write-back: 1200 Mbps
Recording Management	Video compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record mode	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm
Storage Management	Video protection	ANR, Lock key video	ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD slot	48	24	48	36	24
	HDD type	SAS HDD, Up to 16 TB for each HDD	SAS HDD, Up to 16 TB for each HDD	SATA/SAS HDD, Up to 16 TB for each HDD	SATA/SAS HDD, Up to 16 TB for each HDD	SATA/SAS HDD, Up to 16 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare
Network	Network mode	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation
External Interface	Ethernet port	1 Gigabit management port for each controller 4 Gigabit data ports for each controller	1 Gigabit management port for each controller 4 Gigabit data ports for each controller	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports
	Network extension	2×10-Gigabit optical fiber ports for each controller (Optional)	2×10-Gigabit optical fiber ports for each controller (Optional)	2×10-Gigabit optical fiber ports (Optional)	2×10-Gigabit optical fiber ports (Optional)	2×10-Gigabit optical fiber ports (Optional)
	Mini SAS port	2 ports for each controller	2 ports for each controller	2 ports	2 ports	2 ports
General	Power supply	Redundant	Redundant	Redundant	Redundant	Redundant
	Chassis	6U (Standard 19 inch rack)	4U (Standard 19 inch rack)	6U (Standard 19 inch rack)	4U (Standard 19 inch rack)	4U (Standard 19 inch rack)

EMBEDDED VIDEO STORAGE

EVS Series

	Model	EVS5048S-R	EVS5036S-R	EVS5024S-R	EVS5016S-R
	Appearance				
System	Main Processor	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)	Single Controller (64-bit multi-core processor)
	Operation System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
	Memory	4 GB	4 GB	4 GB	4 GB
Performance	Video Direct Storage (Private Protocol)	320-channel (640Mbps) access and storage 160-channel (320Mbps) forwarding	320-channel (640Mbps) access and storage 160-channel (320Mbps) forwarding	320-channel (640Mbps) access and storage 160-channel (320Mbps) forwarding	320-channel (640Mbps) access and storage 160-channel (320Mbps) forwarding
	Video Direct Storage (ONVIF Protocol)	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding
	Video Direct Storage (Auto Register)	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding	200-channel (400Mbps) access and storage 50-channel (100Mbps) forwarding
	IPSAN Mode	Write-through: 320 Mbps, Write-back: 480 Mbps	Write-through: 320 Mbps, Write-back: 480 Mbps	Write-through: 320 Mbps, Write-back: 480 Mbps	Write-through: 320 Mbps, Write-back: 480 Mbps
Recording Management	Video Compression	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG	H.265+, H.265, H.264+, H.264, MJPEG
	Record Mode	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm	Manual, Schedule, Motion Detection, Alarm
Storage Management	Video Protection	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video	N+M cluster service, ANR, Lock key video
HDD	HDD Slot	48	36	24	16
	HDD Type	SATA HDD, Up to 10 TB for each HDD	SATA HDD, Up to 10 TB for each HDD	SATA HDD, Up to 10 TB for each HDD	SATA HDD, Up to 10 TB for each HDD
	RAID	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare	RAID 0/1/5/6/10/50/60, JBOD, Hot Spare
Network	Network Mode	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation	Multi-address, Fault-tolerance, Load Balance, Link Aggregation
External Interface	Ethernet Port	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports	1 Gigabit management port 4 Gigabit data ports	2 Gigabit data ports
	Network Extension	2×10-Gigabit optical fiber ports (Optional)	2×10-Gigabit optical fiber ports (Optional)	2×10-Gigabit optical fiber ports (Optional)	N/A
	Mini SAS Port	2 ports	2 ports	2 ports	1 port
General	Power Supply	Redundant	Redundant	Redundant	Redundant
	Chassis	8U (Standard 19 inch rack)	4U (Standard 19 inch rack)	4U (Standard 19 inch rack)	3U (Standard 19 inch rack)

NETWORK THERMAL CAMERAS



Security

Dahua thermal security series camera integrates thermal imaging technology, visible light technology and AI technology to provide all-weather monitoring with high security level. It's an extremely versatile solution for critical infrastructure protection, forest fire prevention, border security, etc. It can be used even in total darkness or harsh weather conditions, providing a wide range of products for users in various industries.



Long Range Detection Capability

The Dahua leading thermal imaging technology has ultra long range detection capability that can spot vehicles (up to 20 km) and human targets (up to 8 km) with fine details.



Advanced Fire Detection

Dual-channel monitoring allows thermal cameras to early detect the source of fire, and visibly track it in the system.



Excellent Environmental Adaptability

Dahua thermal camera can convert the thermal radiation into a visible image even in harsh environments including no-light, backlight, haze and so on.



AI Function Integration

It is equipped with built-in deep learning algorithms and better AI hardware performance in order to meet different business requirements.

NETWORK THERMAL CAMERAS

Ultra Series

	Model	TPC-PT8621C		TPC-PT8421C		TPC-PT8621B		TPC-PT8421B	
	Appearance								
Thermal	Image Sensor	Uncooled VOx Microbolometer		Uncooled VOx Microbolometer		Uncooled VOx Microbolometer		Uncooled VOx Microbolometer	
	Effective Pixels	640 (H) × 512 (V)		400 (H) × 300 (V)		640 (H) × 512 (V)		400 (H) × 300 (V)	
	Sensitivity	<40mK		<40mK		<40mK		<40mK	
	Lens	100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional)		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional)		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional)		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional)	
Visible	FOV-H	H: 6.2° H: 31.6° ~ 6.2° (Optional) H: 20.6° ~ 4.2° (Optional) H: 16.7° ~ 3.5° (Optional)		H: 3.9° H: 19.3°~3.9° (Optional) H: 12.9°~2.6° (Optional) H: 10.2°~2.1° (Optional)		H: 6.2° H: 31.6°~6.2° (Optional) H: 20.6°~4.2° (Optional) H: 16.7°~3.5° (Optional)		H: 3.9° H: 19.3°~3.9° (Optional) H: 12.9°~2.6° (Optional) H: 10.2°~2.1° (Optional)	
	Image Sensor	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS
	Lens	6.6mm ~ 330mm 21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)		6.6mm ~ 330mm 21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)		6.6mm~330mm 21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)		6.6mm~330mm 21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)	
	FOV-H	H: 42.34°~1.10° H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)		H: 42.34° ~ 1.10° H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)		H: 42.34°~1.10° H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)		H: 42.34°~1.10° H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)	
Laser Range Finder(Optional)	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)
	Wavelength	1.57μm (Eye safe)		1.57μm (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.265/H.264/MJPEG		H.265/H.264/MJPEG		H.265/H.264/MJPEG		H.265/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: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps		Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @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	
	Working Temperature	-40°C ~ +70°C		-40°C ~ +70°C		-40°C ~ +70°C		-40°C ~ +70°C	
	Power	AC100V ~ 300V, <100W		AC100V ~ 300V, <100W		AC100V ~ 300V, <100W		AC100V ~ 300V, <100W	

NETWORK THERMAL CAMERAS

Ultra Series

NETWORK THERMAL CAMERAS

	Model	TPC-PT8621A 	TPC-PT8421A 	TPC-SD8621 	TPC-SD8421 	TPC-BF8621 	TPC-BF8421 
	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)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK
	Lens	35mm/50mm/75mm/100mm	35mm/50mm/75mm/100mm	25mm/35mm/50mm	25mm/35mm/50mm	25mm; 35mm; 50mm; 75mm; 100mm	25mm; 35mm; 50mm; 75mm; 100mm
	FOV-H	H: 17.6°/12.4°/8.3°/6.2°	H: 11.1°/7.8°/5.2°/3.9°	H: 24.6°/17.6°/12.4°	H: 15.5°/10.9°/7.7°	H: 24.6°/17.6°/12.4°/8.3°/6.2°	H: 15.5°/11.1°/7.8°/5.2°/3.9°
Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS
	Lens	6.6mm ~ 330mm	6.6mm ~ 330mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm
	FOV-H	H: 42.34° ~ 1.10°	H: 42.34° ~ 1.10°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°
	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	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)	0.005Lux@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)
	IR Distance	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/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: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @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, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace
	Compatibility	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S&G, API			
	Ingress Protection	IP66	IP66	IP66	IP66	IP67	IP67
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +70°C	-40°C ~ +70°C
	Power	AC24V, <65W	AC24V, <65W	AC24V, <38W	AC24V, <38W	AC12V/PoE+, <16W	AC12V/PoE+, <16W

NETWORK THERMAL CAMERAS

Pro Series

	Model	TPC-BF5601	TPC-BF5401
	Appearance	 	  DH&P
Thermal	Image Sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	640(H) × 512(V)	400(H) × 300(V)
	Sensitivity	<40mK	<40mK
	Lens	7.5mm/13mm/25mm/35mm	7.5mm/13mm/25mm/35mm
	FOV-H	H: 91.2°/48.9°/24.6°/17.6°	H: 53.7°/30.2°/15.5°/11.1°
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
	Frame Rate	Thermal: 1280x1024/720P/640x512 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps
	Intelligent Video	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace
	Compatibility	ONVIF Profile S & G, API	ONVIF Profile S & G, API
	Ingress Protection	IP67	IP67
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C
	Power	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W



• Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

NETWORK THERMAL CAMERAS

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)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
	Lens	20mm ~ 100mm 30mm ~ 150mm (Optional)			
Visible	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)
	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)			
	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)
Laser Range Finder(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)
	Wavelength	1.57μm(Eye safe)	1.57μm(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)	--	--
General	Angle of Laser Beam	1°~ 30°	1°~ 30°	--	--
	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			
	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			
	Compatibility	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)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×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°			
	Min. Illumination	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			
	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:-90° ~ 40°	300 presets, Pan: 0° ~ 360° endless, Tilt:-90° ~ 40°
	Intelligent Video	IVS, Fire detection & alarm			
	Compatibility	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

Thermography

Dahua adopts high precision sensor and advanced temperature measurement algorithm, which can realize high precision and wide range temperature measurement. In addition, a variety of temperature measurement rules are supported to meet the needs of end users for different scenarios.



Industrial Temperature Measurement

Industrial temperature measurement distance is as far as 50 meters, which meets the requirements for 24/7 real-time monitoring of multiple devices.



Body Temperature Measurement

This non-contact body temperature measurement offers quick screening, wide coverage and multi-person detection. The accuracy can reach up to $\pm 0.3^{\circ}\text{C}$ with the blackbody.



High Accuracy

Aside from its $\pm 0.3^{\circ}\text{C}$ body temperature measurement accuracy, its industrial temperature measurement accuracy can reach up to $\pm 2^{\circ}\text{C}$.

NETWORK THERMAL CAMERAS

Ultra Series

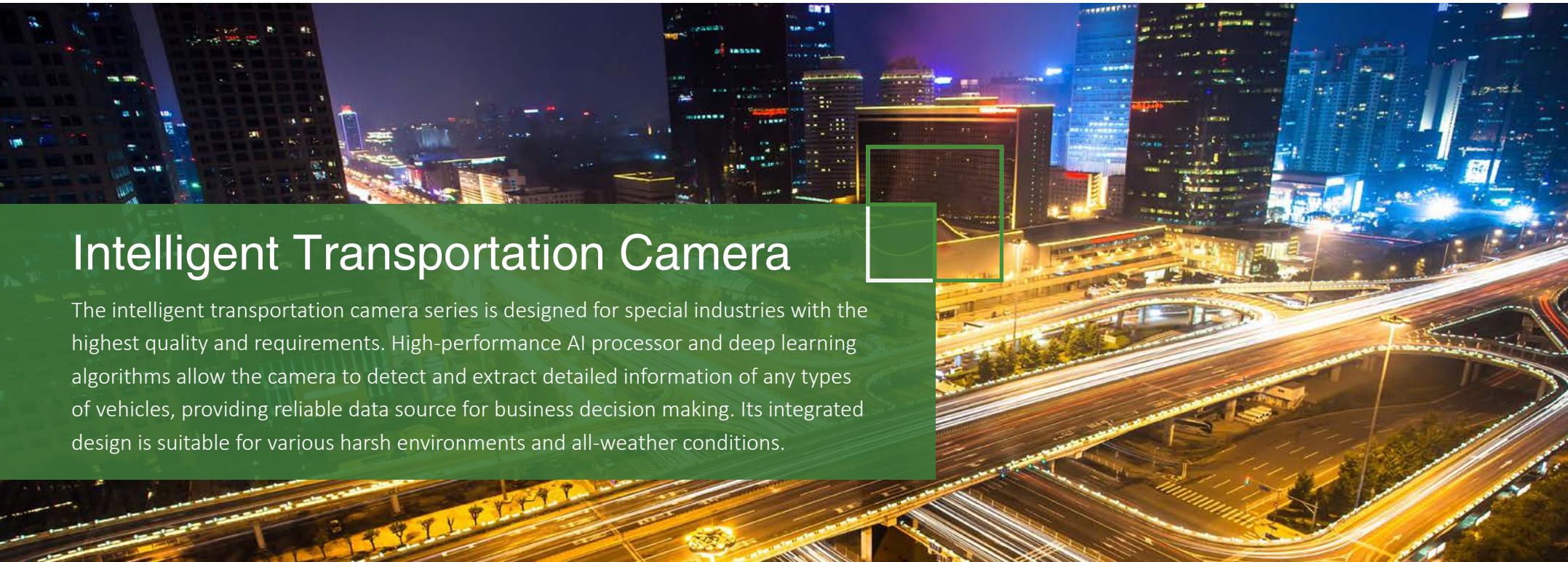
	Model	DH-TPC-PT8621A-T 	DH-TPC-PT8421A-T 	DH-TPC-SD8621-T 	DH-TPC-SD8421-T 	DH-TPC-BF5601-T 	DH-TPC-BF5401-T  
	Appearance						
Thermal	Image Sensor	Uncooled VOx Microbolometer					
	Effective Pixels	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK
	Lens	35mm/50mm/75mm/100mm	35mm/50mm/75mm/100mm	25mm/35mm/50mm	25mm/35mm/50mm	7.5mm/13mm/25mm	7.5mm/13mm/25mm
	FOV-H	H: 17.6°/12.4°/8.3°/6.2°	H: 11.1°/7.8°/5.2°/3.9°	H: 24.6°/17.6°/12.4°	H: 15.5°/10.9°/7.7°	H: 91.2°/48.9°/24.6°	H: 53.7°/30.2°/15.5°
	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)	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	Spot: 12/Line: 12/Area: 12 Support 12 rules simultaneously	Spot: 12/Line: 12/Area: 12 Support 12 rules simultaneously
	Temperature Alarm	Supported	Supported	Supported	Supported	Supported	Supported
Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	--	--
	Lens	6.6mm ~ 330mm	6.6mm ~ 330mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	--	--
	FOV-H	H: 42.34° ~ 1.10°	H: 42.34° ~ 1.10°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	--	--
	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	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)	--	--
	IR Distance	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	--	--
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/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: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	1280*1024/720P/640*512 @25/30fps	1280*1024/720P/400*300 @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, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace
	Compatibility	ONVIF Profile S&G, API					
	Ingress Protection	IP66	IP66	IP66	IP66	IP67	IP67
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +70°C	-40°C ~ +70°C
	Power	AC24V, <65W	AC24V, <65W	AC24V, <38W	AC24V, <38W	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W



• Extended PoE transmission: 800m, 10Mbps, 13w or 300m, 100Mbps, 25.4w

INTELLIGENT TRANSPORTATION CAMERAS





Intelligent Transportation Camera

The intelligent transportation camera series is designed for special industries with the highest quality and requirements. High-performance AI processor and deep learning algorithms allow the camera to detect and extract detailed information of any types of vehicles, providing reliable data source for business decision making. Its integrated design is suitable for various harsh environments and all-weather conditions.



Enforcement Cameras

With industry-specific image sensor, high-performance AI processor, and deep learning algorithm, the enforcement camera is ideal for intelligent traffic management and safe city businesses, offering intelligent functions including traffic violations capturing in both ANPR and violation snapshots, passing vehicle records, traffic data collection, event detection, etc.



Access ANPR Cameras

Access ANPR cameras are designed for license plate monitoring in low-speed scenarios, such as parking lots and gas stations. It is suitable for vehicle entrance & exit management as it has a allowlist 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 kinds of environment.



Parking Spot Detectors

Parking space detector is suitable for indoor parking areas. The parking detector can provide comprehensive video surveillance in parking lots, accurately monitoring up to 6 parking spaces status and recognizing plate numbers of vehicles at the same time. In addition, a 7-color indicator can be used to guide vehicles in finding available parking spaces.

INTELLIGENT TRANSPORTATION CAMERAS

Enforcement Cameras

INTELLIGENT TRANSPORTATION CAMERAS

Model	ITC352-AU3F-(IR)L	ITC952-AU3F-(IR)L	ITC431-RW1F-(IR)L	ITC831-RW1F-(IR)L
Appearance				
Image Sensor	1/1.8" GS-CMOS	1" GS-CMOS	1/1.8" CMOS	1/1.2" CMOS
Max. Resolution	3 MP, 2048 (H)×1536 (V)	9 MP, 4096 (H)×2160 (V)	4 MP, 2688 (H)×1520 (V)	8 MP, 3840 (H)×2160 (V)
Speed Range for LPR	0~200km/h	0~200km/h	0~120km/h	0~120km/h
Lincese Plate Recognition	Support(Global)	Support(Global)	Support(Global)	Support(Global)
Day/Night	ICR	ICR	ICR	ICR
Lens	16~40mm Motorized/ Auto Iris(DC)	16~40mm Motorized/ Auto Iris(DC)	10.5~42mm Motorized/ Auto Iris(DC)	10.5~42mm Motorized/ Auto Iris(DC)
LPR Monitor Distance	18~25M	18~25M	15~30M	15~30M
WDR	64dB	64dB	90dB	90dB
Electronic Shutter Speed	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s
Detection Mode	Supports Video detection or radar detection	Supports Video detection or radar detection	Supports Video detection or radar detection	Supports Video detection or radar detection
Video Compression	H.265/H.264M/H.264H/H.264B/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG
Max. Resolution	2048×1536	4096×2820	2688×1520	3840×2160
Frame Rate	1536×2048@25fps, 1600×1200@25fps	4096×2820@25fps, 1600×1200@25fps	2688×1520@25fps, 1600×1200@25fps	3840×2160@25fps, 1600×1200@25fps
Lamp	White /IR light	White /IR light	White /IR light	White /IR light
Ingress Protection	IP66	IP66	IP66	IP66
Interface	2 ×100/1000M Ethernet, 2 RS485, 4 RS232 4/2 channel Alarm In/Out	2 ×100/1000M Ethernet, 2 RS485, 4 RS232 4/2 channel Alarm In/Out	1 ×100/1000M Ethernet, 3 RS485, 2 RS232 3/2 channel Alarm In/Out	1 ×100/1000M Ethernet, 3 RS485, 2 RS232 3/2 channel Alarm In/Out
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Working Temperature	-40°C to +65°C (-40°F~+149°F)	-40°C to +65°C (-40°F~+149°F)	-40°C to +65°C (-40°F~+149°F)	-40°C to +65°C (-40°F~+149°F)
Power	AC110~220V, Max. 30W	AC110~220V, Max. 30W	DC12V~36V, PoE (802.3af), Max. 8W	DC12V~36V, PoE (802.3af), Max. 8W

INTELLIGENT TRANSPORTATION CAMERAS

Access ANPR Cameras

Model	ITC215-PW6M-(IR)LZF	ITC215-PW6M-(IR)LZF-B	ITC215-PW6M-(IR)LZF-O	ITC237-PW6M-(IR)LZF1050	ITC237-PW6M-(IR)LZF1050-B	IPMECS-2201C-(IR)
Appearance						
Bracket	Without	With Bracket	With Pole Mount	Without	With Bracket	With Pole
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/2.7 inch CMOS
Max. Resolution	2MP (1920×1080)	2MP (1920×1080)	2MP (1920×1080)	2MP (1920×1080)	2MP (1920×1080)	2MP (1920×1080)
Speed Range for LPR	0~60km/h	0~60km/h	0~60km/h	0~80km/h	0~80km/h	0~60km/h
Lincese Plate Recognition	Support (Global)	Support (Global)	Support (Global)	Support (Global)	Support (Global)	Support (Global)
Day/Night	IR : Auto(ICR) / Color / B/W White:-	IR : Auto(ICR) / Color / B/W White:-	IR : Auto(ICR) / Color / B/W White:-	IR : Auto(ICR) / Color / B/W White:-	IR : Auto(ICR) / Color / B/W White:-	IR : Auto(ICR) / Color / B/W White:-
Lens	3.2mm~10.5mm Motorized/ Auto Iris (DC)	3.2mm~10.5mm Motorized/ Auto Iris (DC)	3.2mm~10.5mm Motorized/ Auto Iris (DC)	10mm~50mm Motorized/ Auto Iris (DC)	10mm~50mm Motorized/ Auto Iris (DC)	3.2mm~10.5mm Motorized/ Auto Iris (DC)
LPR Monitor Distance	Up to 12M	Up to 12M	Up to 12M	Up to 30M	Up to 30M	Up to 12M
Detection Mode	Loop&Video trigger	Loop&Video trigger	Loop&Video trigger	Video trigger	Video trigger	Video trigger
Electronic Shutter Speed	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s	1/50~1/10000s
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	H.264B/H.264M/H.264H/H.265/ MJPEG	H.264B/H.264M/H.264H/H.265/ MJPEG	H.265/H.264M/H.264H/H.264B
Max. Resolution	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)
Lamp	Built-in IR/White light	Built-in IR/White light	Built-in IR/White light	Built-in IR/White light	Built-in IR/White light	Built-in IR/White light
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP54
Interface	1 ×100/1000M Ethernet, 2 I/O inputs, 2 RS485 3/3 channel Alarm In/Out	1 ×100/1000M Ethernet, 2 I/O inputs, 2 RS485 3/3 channel Alarm In/Out	1 ×100/1000M Ethernet, 2 I/O inputs, 2 RS485 3/3 channel Alarm In/Out	1 ×100/1000M Ethernet, 2 I/O inputs, 2 RS485 3/3 channel Alarm In/Out	1 ×100/1000M Ethernet, 2 I/O inputs, 2 RS485 3/3 channel Alarm In/Out	1 ×100/1000M Ethernet, 2 I/O inputs, 1 RS485 3/3 channel Alarm In/Out
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)
Power	DC12V, PoE +(802.3at)	DC12V, PoE +(802.4at)	DC12V, PoE +(802.5at)	DC12V, AC24V, PoE	DC12V, AC25V, PoE	AC 100V-230V ; 50hz/60hz

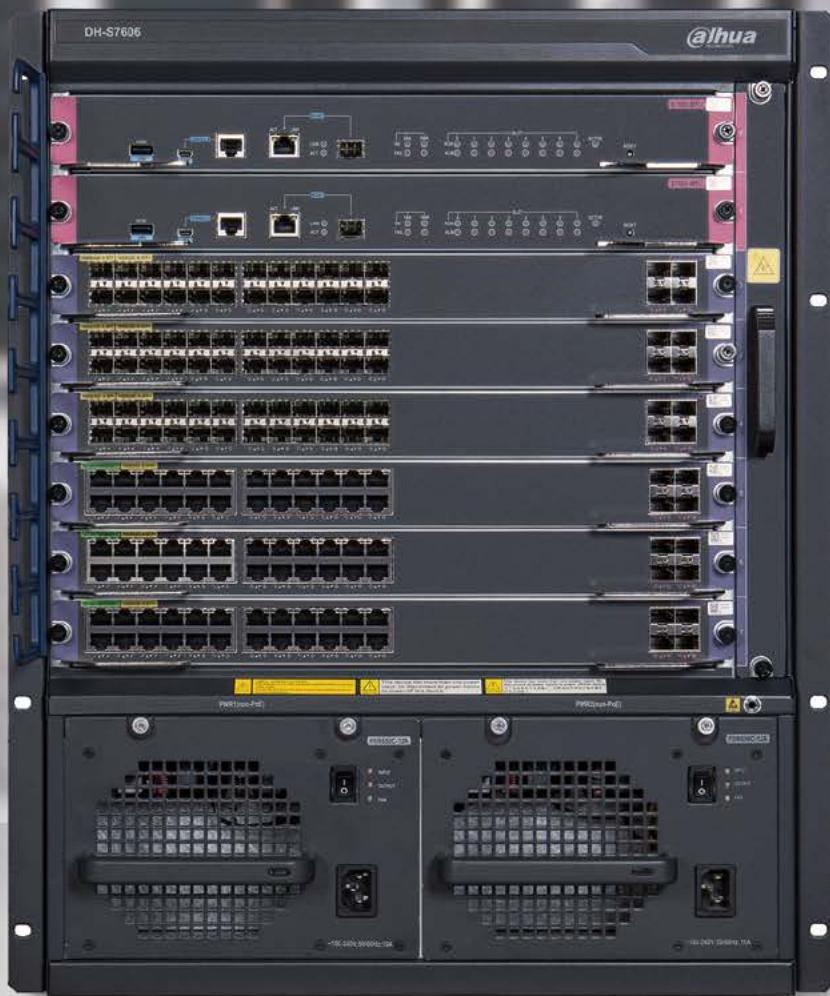
INTELLIGENT TRANSPORTATION CAMERAS

Parking Spot Detectors

INTELLIGENT TRANSPORTATION CAMERAS

Model	ITC214-PH3A-F3-PON	ITC214-PH3A-F6-PON	ITC314-PH3A-F2-PON	ITC314-PH3A-F3-PON	ITC314-PH3A-TF2-PON	ITC314-PH3A-TF3-PON
Appearance						
Image Sensor	1/2.8 inch 2MP CMOS	1/2.8 inch 2MP CMOS	1/2.8 inch 3MP CMOS	1/2.8 inch 3MP CMOS	Two 1/2.8 inch 3MP CMOS	Two 1/2.8 inch 3MP CMOS
Focal Length	3mm	6mm	2.8mm	3.6mm	2.8mm	3.6mm
Max. Resolution	2MP (1920×1080)	2MP (1920×1080)	3 MP, (2048 ×1536)	3 MP, (2048 ×1536)	3 MP, (2048 ×1536)	3 MP, (2048 ×1536)
Day/Night	Electronic color to B/W	Electronic color to B/W	Electronic color to B/W	Electronic color to B/W	Electronic color to B/W	Electronic color to B/W
WDR	Support	Support	Support	Support	Support	Support
Lincese Plate Recognition	Support	Support	Support	Support	Support	Support
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264
Max. Resolution	1920 ×1080	1920 ×1080	2048 ×1536	2048 ×1536	2048 ×1536	2048 ×1536
Frame Rate	25fps	25fps	20fps	20fps	20fps	20fps
Multi-streaming	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)	Main Stream: 1080P(1-25/30fps) Sub Stream: 720P (1-25/30fps)
LPR Monitor Distance	6~6.8m	3m~4.7m	3.6~5.2m	2.5~3.5m	3.6~5.2m	2.5~3.5m
Detection Mode	Video detection	Video detection	Video detection	Video detection	Video detection	Video detection
Electronic Shutter Speed	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s	Auto/manual, 1/3~1/10000s
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	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B	H.265/H.264M/H.264H/H.264B
Video Frame	Each channel supports 1~25fps	Each channel supports 1~25fps	Each channel supports 1~20fps	Each channel supports 1~20fps	Each channel supports 1~20fps	Each channel supports 1~20fps
Interface	2 ×10/100M Ethernet, 1 RS485	2 ×10/100M Ethernet, 1 RS485	2 ×10/100M Ethernet, 1 RS485	2 ×10/100M Ethernet, 1 RS485	2 ×10/100M Ethernet, 1 RS485	2 ×10/100M Ethernet, 1 RS485
Ingress Protection	IP50	IP50	IP50	IP50	IP50	IP50
Working Temperature	-20° C ~ +50° C	-20° C ~ +50° C	-20° C ~ +50° C	-20° C ~ +50° C	-20° C ~ +50° C	-20° C ~ +50° C
Power	DC 12~48V Support PoE power supply	DC 12~48V Support PoE power supply	DC 12~48V Support PoE power supply	DC 12~48V Support PoE power supply	DC 12~48V Support PoE power supply	DC 12~48V Support PoE power supply

TRANSMISSION





Transmission

Dahua has a complete product lineup and mature network solution design capabilities in networking. From wired to wireless, it can provide different products and solutions for various applications such as safe cities, enterprises, parks, streets, shops, etc. These solutions have been commercially applied in more than 100 countries and regions around the world.



Wide Working Temperature Design

The Dahua industrial PoE switch can function normally in a wide range of extreme temperatures from -40 to 75°C.



High Speed and Bandwidth

Dahua aggregation and core switches offer high bandwidth and are available in a wide range of port configurations including 1G, 10G, and 40G.



High Availability

Dual power redundancy, ring network and three-plane security assurance mechanisms IRF2 guarantee the reliability of the network.



Unified Management

Dahua iLinksView network management platform greatly simplifies network operation and maintenance in CCTV network.

TRANSMISSION

PoE Switches

Industrial PoE Switch								All-Gigabit PoE Switch	
Model	PFS4204-2GT-DP	PFS4207-4GT-DP	PFS4210-8GT-DP	PFS4410-6GT-DP	PFS4420-16GT-DP	PFS4210-8GT-150	PFS4212-8GT-96		
Appearance									
Fast/Gigabit Ethernet	2GE PoE	4GE PoE+1GE	8GE PoE	6GE PoE	16GE PoE	8GE PoE	8GE PoE+2GE		
SFP Slots	2GE SFP	2GE SFP	2GE SFP	4GE SFP	4GE SFP	2GE SFP	2 GE SFP		
Switching Capacity	14Gbps	14Gbps	28Gbps	28Gbps	54Gbps	20Gbps	52Gbps		
Packet Forwarding Rate	5.95Mpps	10.42Mpps	14.88Mpps	14.88Mpps	28.28Mpps	14.88Mpps	17.856 Mpps		
Packet Buffer Memory	1.75Mb	1.75Mb	4Mb	4Mb	4Mb	4.1Mb	4Mb		
MAC Table Size	4K	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)	PoE (802.3af) PoE+ (802.3at), Hi-PoE					
PoE Budget	≤120W	≤120W	≤120W	≤120W	≤240W	150W	96W		
Long Distance PoE Transmission	--	--	--	--	--	--	--		
VLAN	Supported	Supported	Supported	Supported	Supported	Supported	Supported		
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported	Supported		
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported	Supported		
Spanning Tree	Supported	Supported	Supported	Supported	Supported	Supported	Supported		
Management	Web	Web	Web	Web	Web	Web	Web		
Lightning Protection	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	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)	-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)		
Dimensions(WxDxH)	103mm×135mm×53mm (4.1"×5.3"×2.1")	103mm×135mm×53mm (4.1"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	175mm×134mm×75mm (6.9"×5.3"×3")	340mm ×200mm ×44mm (13.4"×7.9"×1.7")	220mm × 135mm × 30mm (8.67"×5.31"×1.18")		

TRANSMISSION

PoE Switches

All-Gigabit PoE Switch								ePoE Switch	
Model	PFS4218-16GT-190/240	PFS4226-24GT-240/360	PFS4420-16GT-240	PFS4428-24GT-370	LR2110-8ET-120	LR2218-16ET-240	LR2226-24ET-360		
Appearance									
Fast/Gigabit Ethernet	16GE PoE	24GE PoE	16GE PoE	24GE PoE	8FE ePoE+1GE	8FE ePoE+8FE PoE+2GE (Combo)	8FE ePoE+16FE PoE+2GE (Combo)		
SFP Slots	2GE SFP	2GE SFP	4GE SFP	4GE SFP	1GE SFP	2GE SFP (Combo)	2GE SFP (Combo)		
Switching Capacity	52Gbps	52Gbps	40Gbps	56Gbps	8.8Gbps	8.8Gbps	8.8Gbps		
Packet Forwarding Rate	23.81Mpps	38.688Mpps	29.76Mpps	41.66Mpps	4.17Mpps	5.36Mpps	6.55Mpps		
Packet Buffer Memory	4Mb	4Mb	4.1Mb	4.1Mb	2.75Mb	2.75Mb	2.75Mb		
MAC Table Size	8K	8K	8K	8K	4K	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)	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.4at), Hi-PoE	PoE (802.3af) PoE+ (802.5at), Hi-PoE	PoE (802.3af) PoE+ (802.6at), Hi-PoE		
PoE Budget	190W/240W	240W/360W	240W	370W	120W	240W	360W		
Long Distance PoE Transmission	--	--	--	--	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)		
VLAN	Supported	Supported	Supported	Supported	--	Supported	Supported		
Link Aggregation	Supported	Supported	Supported	Supported	--	Supported	Supported		
Flow Control	Supported	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 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV	Common Mode 2KV	Common Mode 4KV Differential Mode 2KV	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)	0°C ~ +45°C (32°F~+113°F)	0°C ~ +45°C (32°F~+113°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×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm x330mm x44mm (17.3"x13.0"x1.7")	440mm x330mm x44mm (17.3"x13.0"x1.7")	150mm×100mm×42mm (5.9"×3.9"x1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")		

TRANSMISSION

Aggregation Switch

L2+ Switch

Model	PFS5424-24T	PFS5428-24GT	PFS5936-24GF8GT4XF	PFS5924-24X	S5500-24GF4XF	S5500-48GT4GF-AC	S5500-48GT4XF
Appearance							
Fast/Gigabit Ethernet	20GE+4GE (Combo)	24GE	8GE	8GE (Combo)	8GE (Combo)	48GE	48GE
SFP Slots	4GE SFP (Combo)	4x10G SFP+	24GE SFP+4x10G SFP+	16GE SFP+8GE SFP (Combo)	16GE SFP+8GE SFP (Combo)+4x10G SFP+	4GE SFP	4x10G SFP+
Switching Capacity	350Gbps	128Gbps	221Gbps	350Gbps	256Gbps	256Gbps	256Gbps
Packet Forwarding Rate	36Mpps	96Mpps	107Mpps	36Mpps	96Mpps	78Mpps	132Mpps
VLAN	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	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	Flow Control, Speed Limit, Port Mirroring	Port Mirroring	Port Mirroring
Ring Network Protocol	STP, RSTP, ERPS	STP, RSTP, ERPS	STP, RSTP, MSTP, PVST	STP, RSTP, ERPS	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
IGMP Snooping	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Dynamic Routing	--	--	--	--	--	--	--
VRRP	--	--	--	--	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	CLI, SNMP	CLI, SNMP	CLI, SNMP
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-20°C~ +55°C (-4°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 x285mm x44.5mm (17.3"x11.2"x1.7")	440mm×285mm×44.5mm (17.3"x11.2"x1.7")	440mm×360mm×43.6mm (17.3"x14.2"x1.7")	440mm×238mm×44mm (17.3"x9.4"x1.7")	440mm×238mm×44mm (17.3"x9.4"x1.7")

TRANSMISSION

Core Switch			iLinksView Network Management Platform	
	Core Switch		iLinksView Network Management Platform	
Model	S7602	S7606	Model	ILS1000
Appearance			Appearance	
Switching Capacity	5.12 Tbps or 12.8 Tbps	15.36Tbps/25.6Tbps	Interface	2GE + 4USB + 1 HDMI + 1 VGA
Packet Forwarding Rate	960 Mpps/2400 Mpps	2880 Mpps/12000 Mpps	Intelligent Analytics	Switch Statistics Port Bandwidth Occupancy Alarm Statistics Switch Run Time
Number of Service Slots	2	6	Dynamic View	Device visualization Link visualization Bandwidth visualization Real-time alarm Auto-generated topology
Redundancy Design	Redundancy of power sources and main control boards	Redundancy of power sources and main control boards	Network Management	Display the detailed information of switches, such as name, mode, SN, IP, MAC and status.
Layer 2 Features	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc	Alarm Message	Support IP conflict alarm, switch status alarm, terminal status alarm, loopback alarm, port congestion alarm
IPv4 Routing	Supported	Supported	Lightning Protection	Common Mode 8KV Differential Mode 6KV
IPv6 Routing	Supported	Supported	Working Temperature	-10°C ~ +55°C (14°F~+131°F)
Multicast	Supported	Supported	Dimensions (WxDxH)	155 mm×135 mm×30 mm (6.10" × 5.31"×1.18")
ACL	Supported	Supported		
QoS	Supported	Supported		
Security Mechanism	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON		
Reliability	CPU Protection/VRP/RPR/DLCP	CPU Protection/VRP/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")		

TRANSMISSION

Outdoor Wireless Transmission Device

	5G Wireless CPE			5G Wireless AP		5G Wireless Backhaul	
Model	PFM881	PFM881-L	PFM881E	PFM880	PFM880E	PFM886-15	PFM886-20
Appearance							
Fast/Gigabit Ethernet	2FE	2FE	1GE	1GE	1GE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n/ac	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)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	867Mbps	300Mbps	867Mbps	867Mbps	867Mbps
Transmission Distance	0-3Km (0-9.8Kft)	0-1.5km (0-4.9Kft)	0-3Km (0-9.8Kft)	0-3Km (0-9.8Kft)	0-3Km (0-9.8Kft)	0-15Km (0-49.2Kft)	0-20Km (0-65.6Kft)
Antenna Gain	15dBi	12dBi	18dBi	16dBi	17dBi	23dBi	29dBi
Polarization	Dual Linear: Horizontal 40°, vertical 15°	Dual Linear: Horizontal 35°, vertical 35°	Dual Linear: Horizontal 17°, vertical 17°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 10°, vertical 10°	Dual Linear: Horizontal 6°, vertical 6°
Tx Power Max	27dBm	24dBm	24dBm	30dBm	27dBm	27dBm	27dBm
Proprietary Protocol	TDMA	TDMA	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			
Management	Web	Web	Web	Web	Web	Web	Web
Lightning Protection	--	--	--	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.5KV
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)	-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")	200mm×200mm×50mm (10.6"×3.3"×2.0")	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")	240mm×Ø373mm (Ø9.4"×14.7")	265mm×265mm×87.5mm (10.4"×10.4"×3.4") Ø520mm (Ø20.5")
Power	Passive PoE (24V/0.5A)	Passive PoE (24V/0.5A)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

TRANSMISSION

Outdoor Wireless Transmission Device	
	4G Router
Model	WM4700-O
Appearance	
LAN Port	4FE
WAN Port	1FE
Wi-Fi	802.11b/g: Up to 54 Mbps 802.11n: Up to 150 Mbps
Network Mode	Southeast Asia version: B1/B3/B5/B8/B38/B39/B40/B41 Oceania and North American version: B1/B2/B3/B4/B5/B7/B8/B28/B40 European version: B1/B3/B5/B7/B8/B20/B38/B40/B41
Antenna	Cellular: 2 standard SMA female ports with impedance of 50Ω Wi-Fi: 1 standard SMA male port with impedance of 50Ω
WAN Connection Modes	Static IP, DHCP, PPPOE and 4G
SIM/UIM Card Port	1.8V/3V SIM/UIM card
Encryption	WEP, WPA and WPA2
Working Temperature	-35°C ~ + 75°C (-31°F~+167°F)
Dimension	207mm×135mm×28mm (8.15"×5.31"×1.10")
Power	DC 12V/1.5A

Indoor Wireless Transmission Device			
	2.4G Wireless AP for Elevator	2.4G&5G Wireless Ceiling AP	
Model	PFM885-I	PFM889-I	PFM889-IM
Appearance	 		
Fast/Gigabit Ethernet	3FE	3FE	2GE
Wireless Standard	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 a/n/ac; IEEE802.11 b/g/n
Working Frequency	2412~2472Mhz (extended range: 2312~2732Mhz)	2412~2472Mhz (extended range: 2312~2732Mhz)	2.4G: 2412~2472Mhz (extended range: 2312~2732Mhz) 5G: 5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	2.4G: 300Mbps; 5G: 867Mbps
Transmission Distance	0-500m (0-1640.4ft)	0-150m (0-492ft)	0-150m (0-492ft)
Antenna Gain	6dBi	3dBi	External 2.4G: 3dBi; Internal 5G: 3dBi
Polarization	Dual Linear: Horizontal 65°, vertical 60°	Omni-directional	Omni-directional
Tx Power Max	27dBm	27dBm	27dBm
Proprietary Protocol	--	--	--
Network Security	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
Lightning Protection	--	--	--
Ingress Protection	IP41	IP41	IP41
Working Temperature	-30°C ~ +70°C (-22°F~+158°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)
Dimensions(WxDxH)	150mm×150mm×36mm (5.9"×5.9"×1.4")	150mm×150mm×43mm (5.9"×5.9"×1.7")	150mm×150mm×43mm (5.9"×5.9"×1.7")
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

DIN Rail Power Supply			
	EDP-75-48	DRL-48V120W1AAD	EDP-240-48
Model	EDP-75-48	DRL-48V120W1AAD	EDP-240-48
Appearance			
Output Power	75W	120W	240W
Input Voltage Range	90-264Vac	85-264Vac	90-264Vac
Input Frequency Range	47-63Hz	47-63Hz	47-63Hz
Output Voltage Range	48~55Vdc	44-56Vdc	48~53Vdc
Dimensions (LxWxD)	126 mm×34.5 mm×101.5 mm (4.96"×1.36"×4.00 ")	123.6 mm×40 mm×117.6 mm (4.86"×1.57"×4.62 ")	124 mm×62 mm×119 mm (4.88"×2.44"×4.69 ")

TRANSMISSION

Accessories

SFP Module

Model	PFT3910	PFT3920	PFT3960	PFT3970	PFT3900	PFT3950	PFTOTSFP-1270R-20-SMF	PFTOTSFP-1270T-20-SMF	PFTOTSFP-850-MMF
Appearance									
Data Rate	155Mbps	155Mbps	1.25Gbps	1.25Gbps	155Mbps	1.25Gbps	10Gbps	10Gbps	10Gbps
Interface	LC	LC	LC	LC	LC	LC	LC	LC	LC
Transmission Distance	20km	20km	20km	20km	2km	500m	20km	20km	300m
Transmission Medium	Single-mode	Single-mode	Single-mode	Single-mode	Multi-mode	Multi-mode	Single-mode	Single-mode	Multi-mode
Wavelength	1310nm/1550nm	1550/1310nmnm	1310nm/1550nm	1550/1310nmnm	850nm	850nm	1330nm/1270nm	1270nm/1330nm	850nm
Sensitivity	≤-32dBm	≤-32dBm	≤-23dBm	≤-23dBm	≤-25dBm	≤-23dBm	-14.5dBm	-14.5dBm	-11dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Output Power	-14~8dBm	-14~8dBm	-9~2dBm	-9~2dBm	-10~3dBm	-9.5~3dBm	-3~2dBm	-3~2dBm	-6.5~0.5dBm
Working Temperature	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)
Dimensions(WxDxH)	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")

DISPLAY & CONTROL



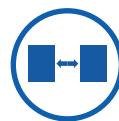
Display Device

Adopting industrial design, Dahua's display devices offer a variety of products to choose from, including monitor, LCD video wall and LED display. It features great performance and supports 24/7 continuous operation. It also offers high definition resolution, excellent color reproduction, rich interface, elegant appearance, short response time, good compatibility with Dahua's security devices, etc.



Monitor

- Industrial level LCD panel, for continuous 24h/7 operation
- HD/Ultra-HD resolution
- Rich interface
- Realistic and immersive visual experience



LCD Video Wall

- Industrial level LCD panel from 46"~65", for continuous 24h/7 operation
- Rich interface
- Extreme narrow bezel, virtually seamless effect
- Fast stacking installation, front and rear two maintenance modes



Indoor Fine Pitch Series LED Display

- Seamless splicing for any size screen
- High color gamut 12~16 bits brings fantastic visual experience
- Front and rear two maintenance modes for convenient installation

DISPLAY & CONTROL

Display

Model	LM55-S400	LM43-S400	DHL32
Appearance	 4K	 4K	 31.5"
Screen Size	55"(16:9)	43"(16:9)	31.5"(16:9)
Resolution	3840x2160	3840x2160	1920x1080
Brightness	450cd/m ²	450cd/m ²	350cd/m ²
Contrast Ratio	1000:1	1000:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	6ms	8ms	8ms
Display Color	10bit	10bit	8bit
Input	1 DP, 2 HDMI, 1 VGA(D-Sub), 1 USB, 1 Audio, 1 RJ45(RS232)	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RJ45(RS232)	2 BNC(CVBS), 1 VGA, 1 DVI-D, 1 HDMI, 1 USB, 1 Audio, 1 RS232
Output	1 RJ45(RS232), 2 Speakers	1 RJ45(RS232), 2 Speakers	2 BNC(CVBS), 2 Speakers, 1 RS232
Control	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°~40° (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	10%~85%	10%~85%	20%~90%
Power & Consumption	AC110~240V, 120W	AC110~240V, 70W	AC100~240V(+/-10%), 35W
Bezel Width	8mm (U/L/R/B)	8mm (U/L/R/B)	25.5mm (U/L/R/B)
VESA	400x400mm	400x400mm	300x300mm
Dimensions	1227.2x699.6x65.0mm (48.3"x27.5"x2.6")	960.7x550.7x65.0mm (37.8"x21.7"x2.6")	750.7x455.1x44.0mm (29.6"x17.9"x1.7")
Weight	25.2kg (55.6lb)	16.6kg(36.6lb)	10Kg(22.0lb)

DISPLAY & CONTROL

Display

Model	LS650KCH-ES	LS550UEH-EG	LS550UCM-EF	LS490UCM-EF	LS460UCM-EF
Appearance					
Screen Size	65"(16:9)	55"(16:9)	55"(16:9)	49"(16:9)	46"(16:9)
LCD Technology	PVA	IPS	ADS	ADS	ADS
Resolution	3840x2160	1920x1080	1920x1080	1920x1080	1920x1080
Backlight	Direct LED	Direct LED	Direct LED	Direct LED	Direct LED
Bezel Width	2.3mm(U/L) 1.2mm(R/B)	0.44mm(U/L) 0.44mm(R/B)	2.3mm(U/L) 1.2mm(R/B)	2.3mm(U/L) 1.2mm(R/B)	2.3mm(U/L) 1.2mm(R/B)
Pixel Density	68dpi	40dpi	40dpi	46dpi	48dpi
Brightness	700cd/m ²	700cd/m ²	500cd/m ²	500cd/m ²	500cd/m ²
Contrast Ratio	4000:1	1200:1	1400:1	1400:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	8ms	8ms	8ms	8ms
Display Color	8bit	10bit	8bit	8bit	8bit
Color Temperature	10,000K	10,000K	10,000K	10,000K	10,000K
MTBF	50,000h	50,000h	50,000h	50,000h	50,000h
Input	1 VGA, 1 DVI-D, 2 HDMI, 1 DP, 1 RS232, 1 Audio, 1 OPS, 1 IR	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI, 1 RS232, 1 USB, 1 IR	1 CVBS, 1 VGA 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR	1 CVBS, 1 VGA 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR	1 CVBS, 1 VGA 1 DVI-D, 1 HDMI, 1 RS232, 2 USB, 1 Audio in, 1 IR
Output	1 DP, 1 RS232, 1 Audio out	2 CVBS, 1 RS232	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out	1 CVBS, 1 RS232, 2 HDMI, 1 VGA, 1 Audio out
Control	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	20%~90%	10%~90%	10%~80%	10%~80%	10%~80%
Power & Consumption	AC100~240V , 325W	AC100~240V , 150W	AC100~240V, 150W	AC100~240V, 120W	AC100~240V, 110W
Dimensions	1432.6x807.6x112.6mm (56.4" x31.8" x4.4")	1210.8x681.5x113.2mm (47.7" x26.8" x4.5")	1213.7x684.5x106.5mm (47.8" x26.9" x4.2")	1078.4x608.4x106.6mm (42.5" x24.0" x4.2")	1022.0x576.6x107.3mm (40.2" x22.7" x4.2")
Installation	Floor-standing, Wall-mounted(Optional)	Floor-standing, Wall-mounted(Optional)	Floor-standing, Wall-mounted(Optional)	Floor-standing, Wall-mounted(Optional)	Floor-standing, Wall-mounted(Optional)

DISPLAY & CONTROL

Display

Model	PHSA1.4-MH	PHSA1.6-MH	PHSA1.9-MH
Appearance			
Pixel Pitch	1.44mm	1.60mm	1.92mm
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD0909	SMD0909	SMD0909
Pixel Density	482,253 pixels/m ²	390,625 pixels/m ²	271,267 pixels/m ²
Brightness	800cd/m ²	800cd/m ²	800cd/m ²
Contrast Ratio	6000:1	8000:1	8000:1
Display Frame Rate	50/60Hz	50/60Hz	50/60Hz
Refresh Rate	7200Hz	7200Hz	7200Hz
Color Temperature	1500K~12000K (adjustable)	1500K~12000K (adjustable)	1500K~12000K (adjustable)
Viewing Angle	H170°, V160°	H170°, V160°	H170°, V160°
Display Color	16bits	16bits	16bits
MTBF	80,000h	80,000h	80,000h
Ingress Protection	Front IP40/Rear IP42	Front IP40/Rear IP42	Front IP40/Rear IP42
Working Temperature	-20°C~+50°C (-4°F~+122°F)	-20°C~+50°C (-4°F~+122°F)	-20°C~+50°C (-4°F~+122°F)
Working Humidity	10%~90%	10%~90%	10%~90%
Power(Avg)	AC100~240(+/-10%), 310W/m ²	AC100~240(+/-10%), 310W/m ²	AC100~240V (+/-10%), 260 W/m ²
Module Size	230.4×172.8mm (9.1"×6.8")	230.4×172.8mm (9.1"×6.8")	230.4×172.8mm (9.1"×6.8")
Cabinet Size	460.8×345.6×39.5mm (18.1"×13.6"×1.6")	460.8×345.6×39.5mm (18.1"×13.6"×1.6")	460.8×345.6×39.5mm (18.1"×13.6"×1.6")
Cabinet Weight	6.1kg(13.4lb)	7.7kg(17.0lb)	7.7kg(17.0lb)
Maintenance Mode	Front Maintenance	Front Maintenance	Front Maintenance

DISPLAY & CONTROL

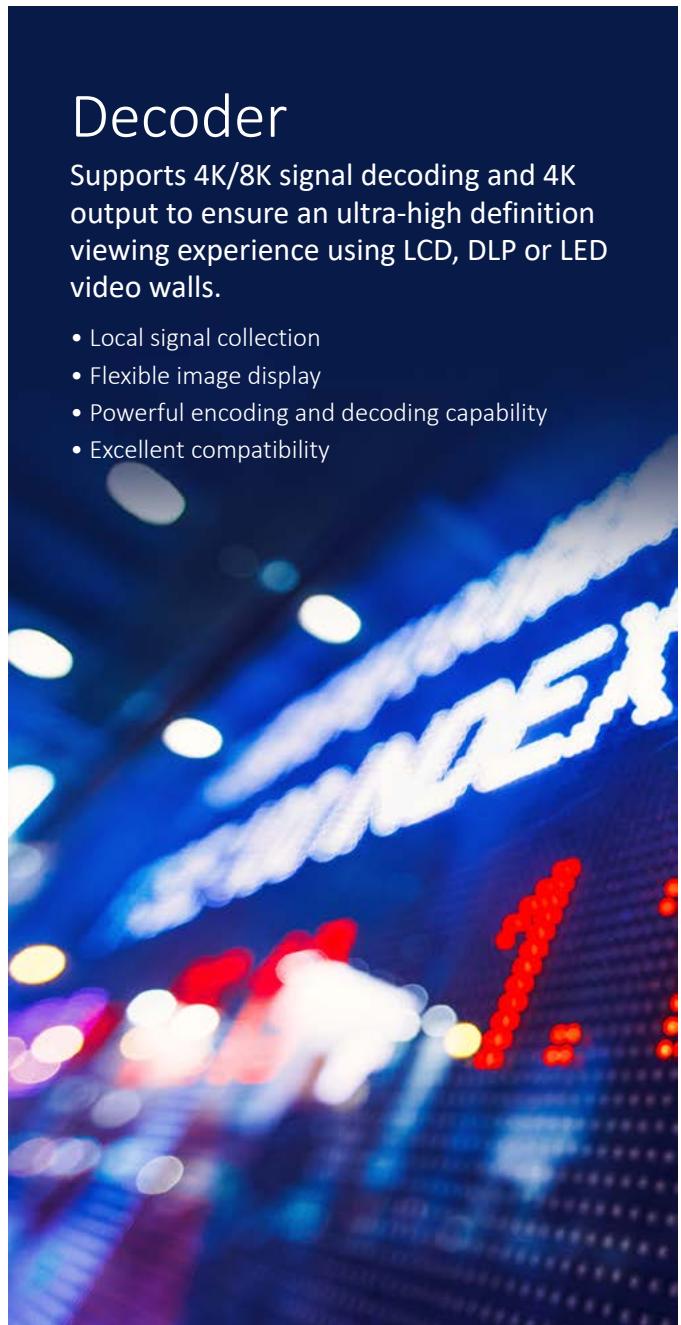


Video Management Platform

Offers enhanced processing capabilities and flexible configuration with pluggable card module design to ensure excellent viewing experience using LCD, DLP or LED video wall.

- 19" Standard atca industry box with slotted design
- Flexible image display
- Powerful encoding and decoding capability
- Excellent compatibility

Video Management Platform		
Model	M60-12U	M70-4U-E
Appearance		
Screen Quantity	180 Screens	60 Screens
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Card Slots	1 main slot and 10 service slots	1 Main slot, 1 Control slot and 10 service slots
Max Encoding	80CH@4K/200CH@1080P	80CH@1080P/320CH@D1
Max Decoding	60CH@8K(25fps)/240CH@4K/960CH@1080P/ 1920CH@720P/3840CH@D1	20CH@8K(25fps)/80CH@4K/320CH@1080P/ 720CH@720P/1280CH@D1
Local Video Input	HDMI/HDCVI/HD-SDI/3G-SDI	DVI/HDMI/CVBS/HD-SDI/3G-SDI
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI/CVBS (VGA & DVI with converter)	HDMI (VGA & DVI with converter)
Intercom	1/1 3.5mm jack(for intercom), Extra audio input on encoding card	1/1 3.5mm jack (for intercom)
Processor	64 bit quad core processor	64 bit quad core processor
Bus	PCI-E	PCI-E, Ethernet
Case	12U 19"	4U 19"
Ethernet	8 RJ-45 ports(10/100/1000M)	6 RJ-45 ports(10/100/1000M), 2 in mainboard and 4 in control board
USB	4 USB2.0	3 USB2.0, 1 USB3.0
Power	AC 100V~127V, 200V~240V	AC100~240V
Control Modes	WEB/Local GUI/Video Platform/Network Keyboard/iPad	WEB/Local GUI/Video Platform/Network Keyboard/iPad
Highlights	8K & H.265 & H.265+ decoding, 4K local signal encoding, Supports LED solution, Extra audio collection	8K & H.265 & H.265+ decoding, 4K local signal collection, Fisheye dewarp



Decoder

Supports 4K/8K signal decoding and 4K output to ensure an ultra-high definition viewing experience using LCD, DLP or LED video walls.

- Local signal collection
- Flexible image display
- Powerful encoding and decoding capability
- Excellent compatibility

Decoder				
Model	NVD2105DH-4I-4K	NVD1805DH-4I-4K	NVD1505DH-4I-4K	NVD1205DH-4I-4K
Appearance				
Screen Quantity	21 Screens	18 Screens	15 Screens	12 Screens
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Split Mode	1/4/9/16	1/4/9/16	1/4/9/16	1/4/9/16
Max Decoding	21CH@12MP(25fps)/ 28CH@4K/112CH@1080P/ 252CH@720P/336CH@D1	18CH@12MP(25fps)/ 24CH@4K/96CH@1080P/ 216CH@720P/288CH@D1	15CH@12MP(25fps)/ 20CH@4K/80CH@1080P/ 180CH@720P/240CH@D1	12CH@12MP(25fps)/ 16CH@4K/64CH@1080P/ 144CH@720P/192CH@D1
Local Video Input	2CH HDMI, 2CH DVI-I			
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI(DVI with convertor)	HDMI(DVI with convertor)	HDMI(DVI with convertor)	HDMI(DVI with convertor)
Audio Out	HDMI	HDMI	HDMI	HDMI
Alarm In/Out	2/1 (30VDC 1A, 125VAC 0.5A, Relay output)			
Intercom	1 Pair 3.5mm Jack			
Processor	Embedded processor	Embedded processor	Embedded processor	Embedded processor
Case	2.5U 19"	2.5U 19"	2.5U 19"	2.5U 19"
Ethernet	2 RJ-45 port (10/100/1000M)			
USB	1 USB2.0, 2 USB3.0			
Power	AC 100V~127V, 200V~240V, 47Hz~63Hz	AC 100V~127V, 200V~240V, 47Hz~63Hz	AC 100V~127V, 200V~240V, 47Hz~63Hz	AC 100V~127V, 200V~240V, 47Hz~63Hz
Control Modes	WEB/Video Platform/Network keyboard/iPad	WEB/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, PC signal collection	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection

DISPLAY & CONTROL



Keyboard

A network keyboard is a control device with joystick that can realize convenient PTZ operation, video wall control, etc.

- Powerful control capability
- Easy connection
- Flexible joystick
- Multiple combination key

Keyboard

Model	NKB5000	NKB1000
Appearance		
Control Mode(s)	Direct mode, Network mode	Direct mode, Network mode, USB mode
Control Interface	2 RJ-45 port (10/100/1000M), Wi-Fi, RS232, RS485	1 RJ-45 port (10/100/1000M), RS232, RS485, RS422, USB
DVR/NVR Protocol	DH2	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc.	DH-SD1/PELCO-D/PELCO-P, etc.
Max. Users	64 (including "admin")	64 (including "admin")
Screen	10.1" TFT LCD touch screen (1280×800)	Monochrome LCD screen (128×64)
Local Split Display Mode	1/4/9/16	--
Video Output	4CH HDMI	--
Local Decoding	4CH@4K/16CH@1080P	--
Intercom	1 Pair 3.5mm jack	--
Joystick	4-axis (zoom, focus, iris)	3-axis (zoom, focus, iris)
Main Processor	Dual-core Processor	Industrial embedded microprocessor
Operating System	Embedded LINUX	Embedded LINUX
USB	2 USB3.0, 2 USB2.0	1 USB2.0
Power	DC12V, 4A	DC12V/2A
Highlights	All touch screen, 4K&H.265 decoding, Controls NVR, DVR, EVS, Decoder, Matrix, Platform, Local visible control	Multi-user access control, Controls DVR, NVR, EVS, Decoder, Matrix, Work with SmartPSS or DSSClient via USB port

ACCESSORIES



Accessories

Accessory products offer a series of supporting equipment for CCTV monitoring devices promoted by Dahua to enhance product integrity and user experience, and supplement the insufficiencies of traditional products and solutions.



Camera Mount

Offers a series of solutions for the installation of cameras.



Power Supply

Provides different power supply type for devices with different specifications.



Detector-radar

Realizes real-time trajectory tracking for multiple targets in a wide range.



Solar Power

Provides solutions for outside monitoring scenarios where wiring is difficult.

ACCESSORIES

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

HFWxxH Series		
Model	PFA154	
Mount	Pole mount	

HFWxxE(-Z), HFWxxE(-SE) TPC-BF5xx Series			
Model	PFA121		
Mount	Junction box	Pole mount	

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

HDBWxxH Series					
Model	PFA130-E	PFB203W	PFB203W+PFA152-E		PFA106+PFB220C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount(extensible)	

HDBWxxE-Z Series							
Model	PFA138	PFA133-E	PFB211W	PFB211W+PFA152-E	PFA101+PFB300C	PFB201C	
Mount	Junction box	Junction box (20°)	Wall mount	Pole mount	Ceiling mount	In-ceiling mount	

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

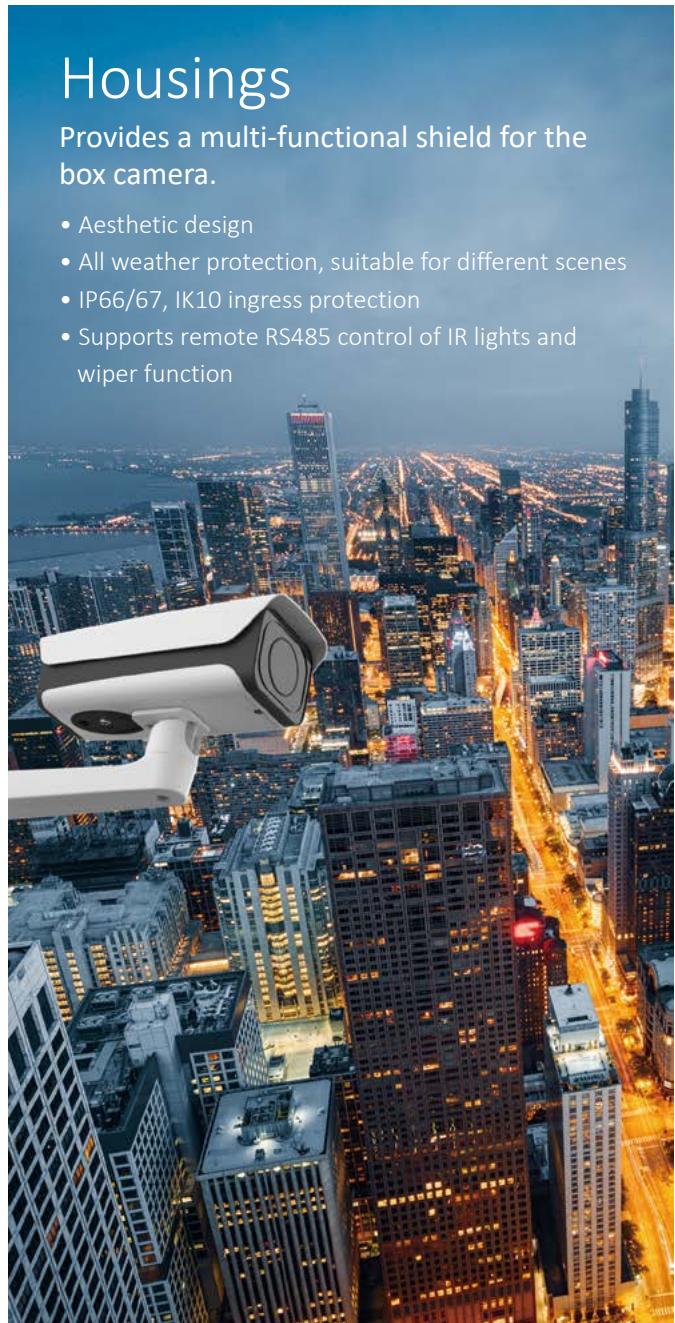
ACCESSORIES

EBWxx Series							
Model	PFA132-E		PFA100+PFB302S	PFA100+PFB302S+PFA152-E	PFA100+PFB300C		
Mount	Junction box		Wall mount	Pole mount	Ceiling mount		
EBxx,HDBxxC Series							
Model	PFA136	PFB203W	PFB203W+PFA152-E	PFB203W+PFA152-E	PFB110W		
Mount	Junction box	Wall mount	Pole mount	Pole mount	Ceiling mount		
EWxx Series							
Model	PFB203W	PFB203W+PFA152-E	PFB203W+PFA152-E	PFB110W			
Mount	Wall mount	Pole mount	Pole mount	Ceiling mount			
PSD8xx Series							
Model	PFA710+PFB710W	PFA710+PFB710C		PFA102+PFB303W	PFA102+PFB300C		
Mount	Wall mount	Ceiling mount		Wall mount	Ceiling mount		
PSDWxx Series							
Model	PFA102+PFB303W	PFA102+PFB300C					
Mount	Wall mount	Ceiling mount					
PFW8xx-A180 Series							
Model	PFA120	PFA150	PFA151	PFA111+PFB303W	PFA111+PFB300C		
Mount	Junction box	Pole mount	Corner Mount	Wall mount	Ceiling mount		
PDBW8xx Series							
Model	PFA111+PFB303W	PFA111+PFB300C					
Mount	Wall mount	Ceiling mount					

ACCESSORIES

PDBW5831-B360							
Model	PFA108+PFA111+PFB303W	PFA108+PFA111+PFB300C	HDWxxH, HDWxxT-ZE Series	Model	PFA130-E	PFB203W	
Mount	Wall mount	Ceiling mount	Mount	Junction box	Wall mount	Pole mount	
HDW5xxTM Series				Model	PFB204W+PFA152-E	PFA153	
Model	PFA130-E	PFB204W	Mount	Wall mount	Pole mount	Pole mount	
Mount	Junction box	Wall mount	Mount	PFB710W	Wall mount	Corner Mount	
SD8A Series							
Model	PFB306W	PFB310W	Model	PFB306W+PFA120	PFA118+PFB301C	PFA150	PFA151
Mount	Wall mount	Wall mount	Mount	Junction box	Ceiling mount	Pole mount	Corner Mount
SD65F/60/6AE/6AL/TPC-SD8xx Series							
Model	PFA111+PFB303W	PFB310W	Model	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151
Mount	Wall mount	Wall mount	Mount	Junction box	Ceiling mount	Pole mount	Power box
							Parapet mount

ACCESSORIES



Housings

Provides a multi-functional shield for the box camera.

- Aesthetic design
- All weather protection, suitable for different scenes
- IP66/67, IK10 ingress protection
- Supports remote RS485 control of IR lights and wiper function

Housings

Model	PFH610N-IR-W	PFH610V	PFH610V-H	PFH610V-H-POE
Appearance				
Inside Dimension	255mmx90mmx70.5mm (10.04"x3.54"x2.78") 215mmx90mmx83mm (8.46"x3.54"x3.27")	255x90x83mm (10.04"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")
Window Dimension	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")	Supported
Wiper	Supported	--	--	--
Vandal-proof	--	Supported	Supported	Supported
Anti-corrosion	--	--	--	Supported
Compatibility	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	--
IR Distance	0~100m(0~328.08ft)	--	--	HFxxE, HFxxF
RS485 Control	Use RS485 to control IR light & wiper	--	--	--
Power Supply	AC24V/5A	DC12V, AC24V	AC24V/3A	POE+
Power Consumption	Max. 70W	--	30W	12W
Operating Temperature	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C/OFF: 15±5°C Cooler: ON: 37±5°C/OFF: 20±5°C ON: 5±5 °C /OFF: 15±5°C	Set: -30°C ~+60°C(-22°F ~+140°F) Heater: N/A Cooler: N/A	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5 °C /OFF: 15±5°C	-40°C ~60°C(-40°F ~+140°F)
Ingress Protection	IP66	IP67	IP67	IP67
Vandal Resistance	--	IK10	IK10	IK10
Material	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case) & PC(others)
Dimension(LxWxH)	404mmx164mmx175mm (15.91"x6.46"x6.89")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")
Certification	CE, FCC, ICES	CE, FCC, ICES	CE, FCC, UL, EAC, ICES	Aluminum(case) & PC(others)

ACCESSORIES

Housings

Model	PFH610V-IR	PFH610V-IR-POE	PFH610A	PFH610A-H	PFH610A-H-POE	PFH610A-IR	PFH610A-IR-POE
Appearance							
Inside Dimension	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x83mm (10.04"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")	255x90x70.5mm (10.04"x3.54"x2.78") 215x90x83mm (8.46"x3.54"x3.27")
Window Dimension	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")	φ60mm(Φ2.36")
Wiper	--	--	--	--	--	--	--
Vandal-proof	Supported	Supported	--	--	--	--	--
Anti-corrosion	--	--	Supported	Supported	Supported	Supported	Supported
Compatibility	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF
IR Distance	0~100m(0~328.08ft)	0~100m(0~328.08ft)	--	--	--	0~100m(0~328.08ft)	0~100m(0~328.08ft)
RS45 Control	Use RS484 to control IR light	Use RS484 to control IR light	--	--	--	Supported	Supported
Power Supply	AC24V/5A	POE+	DC12V, AC24V	AC24V/3A	POE+	AC24V/5A,	POE+
Power Consumption	55W	12.5W	--	30W	12W	55W	12.5W
Operating Temperature	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5°C /OFF: 15±5°C	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: <+5°C(+41°F)/ OFF: ≥+5°C(+41°F) Cooler: ON: ≥37°C(98.6°F)/ OFF: <20°C(68°F)	Set: -30°C ~+60°C(-22°F ~+140°F)	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5°C /OFF: 15±5°C	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5°C /OFF: 15±5°C	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: 5±5°C /OFF: 15±5°C Cooler: ON: 37±5°C /OFF: 20±5°C ON: 5±5°C /OFF: 15±5°C	Set: -40°C ~+60°C(-40°F ~+140°F) Heater: ON: <+5°C(+41°F)/ OFF: +5°C(+41°F) Cooler: ON: ≥37°C(98.6°F)/ OFF: <20°C(68°F)
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Vandal Resistance	IK10	IK10	IK10	IK10	IK10	IK10	IK10
Material	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)	Aluminum(case)&PC(others)
Dimension(LxWxH)	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")	404mmx164mmx132mm (15.91"x6.46"x5.2")

ACCESSORIES

Lenses

A wide range of multi-functional lenses for the box camera.

- Super edge resolution
- Great highlight performance
- Outstanding starlight technology
- Better temperature performance



Lenses

Model	PFL2712-E6D	PFL0550-E6D	PLZ20C0-D	PLZ21C0-D	PFL1575-A12D
Appearance					
Image Format	1/2.7"	1/2.7"	1/1.7"	1/1.7"	1/1.7"
Focal Length	2.7-12mm	5-50mm	3.7-16mm	10.5-42mm	15-75mm
Lens Pixel	6MP	6MP	12MP	12MP	12MP
Aperture	F1.6	F1.6	F1.5	F1.5	F1.5
Mount	CS	CS	CS	CS	C
Focus Control	Manual	Manual	Manual	Manual	Manual
Zoom Control	Manual	Manual	Manual	Manual	Manual
Iris Control	DC-iris	DC-iris	DC-iris	DC-iris	DC-iris
IR Correction	Supported (420~850nm)	Supported	Supported	Supported	Supported
M.O.D.	0.3m (0.98ft)	0.5m (1.64ft)	0.5m (1.64ft)	0.3m (0.98ft)	1.5m (4.92ft)
Operating 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)

Lenses

Model	PLZ20C0-P	PLZ21C0-P	PFL2070-J12M	PFL1040-K9PE	PFL1040-K9M
Appearance					
Image Format	1/1.7"	1/1.7"	4/3"	1"	1"
Focal Length	3.7-16mm	10.5-42mm	20-70mm	10-40mm	10-40mm
Lens Pixel	12MP	12MP	12MP	9MP	9MP
Aperture	F1.5	F1.5	F1.5	F1.5	F1.5
Mount	CS	CS	M43	C	C
Focus Control	Manual	Manual	Manual	Motorized	Manual
Zoom Control	Manual	Manual	Manual	Motorized	Manual
Iris Control	P-iris	P-iris	Manual	P-Iris	Manual
IR Correction	Supported	Supported	--	--	--
M.O.D.	0.5m (1.64ft)	0.3m (0.98ft)	3m (9.84ft)	2.5m(8.2ft)	2.5m(8.2ft)
Operating 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)

Power Supply

Safe and reliable power supply for our products.

- DC power adapter: Wide temperature operation range of -30°C~+70°C and lightning protection up to 4kV.
- UPS: Temporary power discharge equipment between utility and equipment



DC Power Adapter

Model	PFM321D-EN/BS/US	PFM320D-EN/BS/US	PFM321-EN/BS/US	PFM320D-015	PFM300
Appearance					
Input	100~240V, 50/60Hz, 0.5A	100~240V, 50/60Hz, 0.6A	90~264V	AC100~240V, 50/60Hz, 0.6A	AC180~264V, 50/60Hz, 0.6A
Output	12V(+7%,-3%), 1A	12V(+7%,-3%), 2A	12V(+7%,-3%), 1A	DC12V (+7%,-3%), 1.5A	DC12V (±5%), 2A
Working temperature	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)	-10°C~+55°C (+14°F~+131°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)
Surge Protection	Common Mode ±4kV (12 ohms); Differential Mode ±2kV (2 ohms)				

UPS

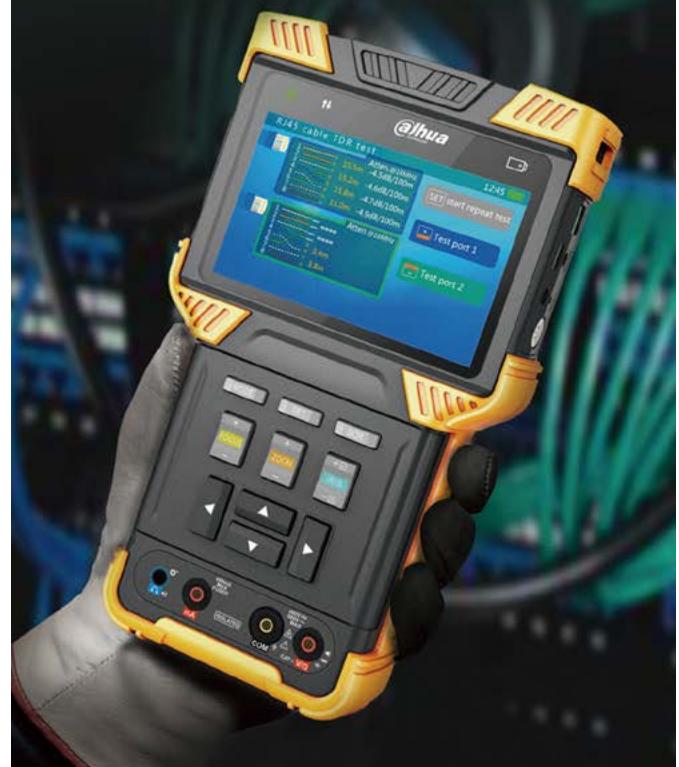
Model	PFM350-360	PFM350-900	PFM351-900	PFM351R-900	PFM351R-2700
Appearance					
Capacity	600VA/360W	1500VA/900W	1000VA/900W	1000VA/900W	3000VA/2700W
Input Rated Voltage	220Vac~240Vac(US 110Vac~120Vac)	220Vac~240Vac(US 110Vac~120Vac)	220Vac~240Vac(US 110Vac~120Vac)	220Vac~240Vac	220Vac~240Vac
Input Rated Frequency	50Hz or 60Hz	50Hz or 60Hz	40Hz~70Hz	57~63Hz	57~63Hz
Output Voltage	220/230/240 VAC (US 110/120 VAC)	220/230/240 VAC (US 110/120 VAC)	200/208/220/230/240 VAC (US 100/110/115/120/127 VAC)	200/208/220/230/240 VAC	200/208/220/230/240 VAC
Output Rated Frequency	50Hz or 60Hz ±1Hz	50Hz or 60Hz ±1Hz	50Hz or 60Hz	50Hz or 60Hz	50Hz or 60Hz
Operating 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)

ACCESSORIES

Camera Testers

It allows easier testing of cameras that only requires a single person to operate, saving significant amount of time and labor costs.

- Camera video tester
- Small tools: DMM/Wifi test/OPM/Data monitor
- Cable tester: TDR/ Analog video generator
- Power supply: PoE+/ DC12V2A/ USB5V2A output



Camera Testers

Model	PFM900-E	PFM906	PFM907
Appearance			
Operation System	Linux	Android	Linux
Language	Multi-language interface	Multi-language interface	Multi-language interface
Operation Mode	Keyboard	Touch screen and keyboard	Touch screen and keyboard
Screen	4.0" TFT screen, 800 × 480 resolution	7 inch capacitive touch screen display, 1920x1200 resolution	7 inch capacitive touch screen display, 1920x1200 resolution
Update	Online and local update	Online and local update	Online and local update
Analog Video Test	HDCVI: 2MP, 4MP, 5MP, 6MP, 4K HDTV: 2MP, 4MP, 5MP AHD: 2MP, 4MP CVBS: NTSC, PAL	HDCVI: 1MP, 2MP, 4MP, 4K HDTV: 1MP, 2MP, 4MP, 5MP AHD: 1MP, 2MP, 4MP CVBS: NTSC, PAL	HDCVI: 1MP, 2MP, 4MP, 5MP, 6MP, 4K HDTV: 1MP, 2MP, 4MP, 5MP AHD: 1MP, 2MP, 4MP CVBS: NTSC, PAL
IPC Test	Discovering the device, real-time video, camera configuration, PTZ test, discovering ONVIF device	Discovering the device, real-time video, camera configuration, PTZ test, discovering ONVIF device	Discovering the device, real-time video, camera configuration, PTZ test, discovering ONVIF device
Camera Power Supply	DC12V/2A output	DC48V PoE power out, Max. DC12V 2A out, Max. DC5V 2A out	DC12V/2A output
RS485	Receive and display protocol data with a RS485 cable	Captures and analyzes the command data from controlling device via RS485	Captures and analyzes the command data from controlling device via RS485
PTZ Control test	OSD menu display and PTZ control	OSD menu display and PTZ control	OSD menu display and PTZ control
Accessibility	Audio Test, TDR Test, Digital Multimeter, POE Test	Audio Test, TDR Test, Digital Multimeter, Optical Power Meter, HDMI Output, POE Test	Audio Test, TDR Test, Digital Multimeter, Optical Power Meter, HDMI Output, POE Test, WiFi Test
Charger	PoE 48V/0.32A	DC 12V/2A	DC 12V/1.5A
Working temperature	-10°C to +55°C (+14°F to +131°F)	-10°C to +55°C (+14°F to +131°F)	-10°C to +55°C (+14°F to +131°F)

Distribution Boxes

With various functional modes, these distribution boxes are designed for simultaneous power management in monitored outdoor environment.

- Basic outdoor protection function, waterproof and anti-theft
- Reserve standard 3.5" guide rail installation position
- Pole mount and wall mount
- Aesthetic design, easy installation



Distribution Boxes

Model	PFA143	PFM377
Appearance		
Input	IP66	IP54
Output	Aluminum & SECC	SUS201+spraying
Working temperature	450mmx365mmx191mm (17.72"x14.37"x7.52")	600mmx400mmx226mm(23.62"x15.75"x8.9")
Surge Protection	9kg (19.84lb)	14kg (30.86lb)
Working temperature	External: PTZ Camera, Bullet Camera, CPE, Illuminator Internal: Switch, MNVR, Switch Power, Breaker, Lightning protector, Fan	Switch, MNVR, Switch Power, Breaker, Lightning protector, Fan

ACCESSORIES

Security Radar

Security radar is usually used for perimeter or area detection using its smart-tracking function with PTZ cameras.

- 24/7 all-weather and all-environment detection
- High accuracy: low false alarm rate, zero false negative rate
- Real-time trajectory tracking, graded alarm set
- Movement tracking display, target filtering (human and vehicle)
- Centralized platform management



Security Radar

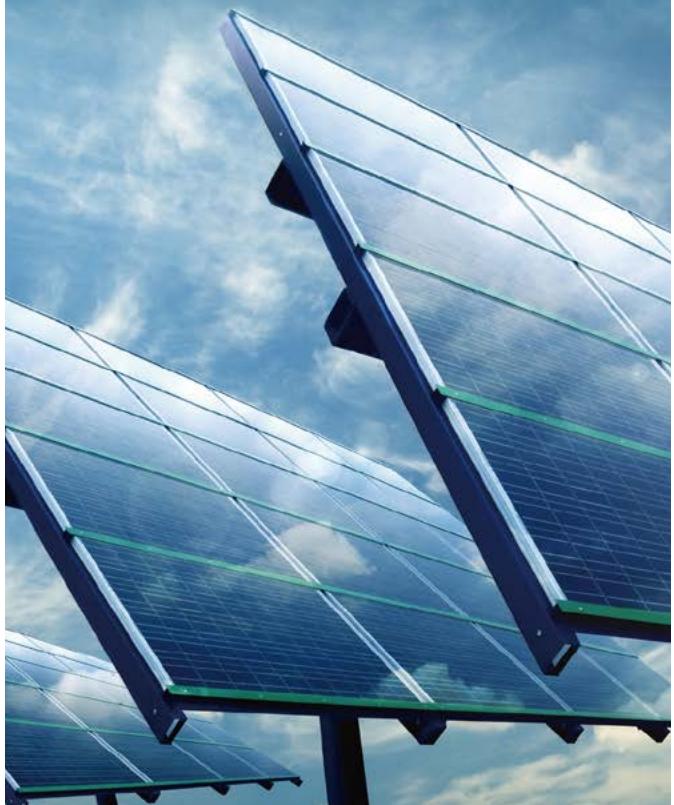
Model	PFR4K-E50	PFR4K-E120	PFR4K-D300	PFR4K-D450
Appearance				
Max. Number of Targets	64	64	32	32
Detection Distance	50.0 m (164.04 ft)	120.0 m (393.70 ft)	300.0 m (984.25 ft)	450.0 m (1476.38 ft)
Detection Angle	Horizontal: 120°, Vertical: 36°	Horizontal: 120°, Vertical: 36°	Horizontal: 90° Vertical: 13°	Horizontal: 90° Vertical: 13°
Max. Detection Speed	40 km/h, continuous trajectory	40 km/h, continuous trajectory	80 km/h, continuous trajectory	80 km/h, continuous trajectory
Min. Detection Speed	0.17 m/s, continuous trajectory	0.17 m/s, continuous trajectory	1.8 km/h, continuous trajectory	1.8 km/h, continuous trajectory
Distance Accuracy	± 1 m (± 3.28 ft)	± 1.5 m (± 4.92 ft)	± 1.5 m (± 4.92 ft)	± 1.5 m (± 4.92 ft)
Angle Accuracy	± 1°	± 1°	± 1°	± 1°
Max. Number of Areas	10	10	10	10
Modulation Type	FMCW	FMCW	FMCW	FMCW
Scan Frequency	10 Hz	10 Hz	8 Hz	8 Hz
Operating Frequency	24 GHz	24 GHz	24 GHz	24 GHz
Detection Target Type	Human and vehicle	Human and vehicle	Human and vehicle	Human and vehicle
Number of PTZ Camera	Web: 3, DSS Pro: 8			
Radar+PTZ Smart Tracking	Web & DSS Pro			
Track Mode	Tour, distance priority, and time priority			
Region Setting	Alarm area, pre-warning area, and shield area			
Target Filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering	Human and vehicle filtering
Record Mode	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled	Manual record, scheduled record, and alarm record Record priority: Manual>Alarm>Scheduled
Restore to Factory Default	Restore default settings with one click			
Map Encoding	Supported	Supported	Supported	Supported
Power Supply	DC 12V (±30%), AC 24V (±30%), PoE (802.3at)	DC 12V (±30%), AC 24V (±30%), PoE (802.4at)	DC 12V (±30%), AC 24V (±30%), PoE (802.5at)	DC 12V (±30%), AC 24V (±30%), PoE (802.6at)

ACCESSORIES

Solar Power

Dahua solar power system provides convenient and stable power supply for front-end monitoring equipment.

- Free combination, high flexibility
- Solar energy, short construction period
- Wireless transmission, Easy wiring
- Client state real-time monitoring, reducing the maintenance cost



Integrated Solar Monitoring System

Model	PFM364L-D1	PFM363L-D1	PFM363L-SD1	KIT/PFM364L-D1/IPC-HFW4230MP-4G-AS-I2/PFB121W
Appearance				
Solution	For 4G solution	For 4G solution	For wireless solution	For 4G solution
Output Voltage	12.8V DC (11.1V DC to 14.6V DC)			
Output Current	1A	1.5A	1.5A	1A
Rated Capacity (20°C, 5hr)	576Wh (12.8V/45Ah)	576Wh (12.8V/45Ah)	576Wh (12.8V/45Ah)	576Wh (12.8V/45Ah)
Solar Cell Efficiency	21%	21%	21%	21%
Idling Power Consumption	<0.5W	<0.5W	<2.5W	<0.5W
IP Rating	IP66	IP66	IP66	IP66
Installation	Pole-mount, suitable for Φ76~96mm (Φ3.0"~Φ3.78") pole Day (charging mode): 0°C~60°C (32°F~140°F) Night (discharging mode): -20°C~60°C (-4°F~140°F)	Pole-mount, suitable for Φ76~96mm (Φ3.0"~Φ3.78") pole Day (charging mode): 0°C~60°C (32°F~140°F) Night (discharging mode): -20°C~60°C (-4°F~140°F)	Pole-mount, suitable for Φ76~96mm (Φ3.0"~Φ3.78") pole Day (charging mode): 0°C~60°C (32°F~140°F) Night (discharging mode): -20°C~60°C (-4°F~140°F)	Pole-mount, suitable for Φ76~96mm (Φ3.0"~Φ3.78") pole Day (charging mode): 0°C~60°C (32°F~140°F) Night (discharging mode): -20°C~60°C (-4°F~140°F)
Operating Temperature	-20°C~60°C (-4°F~140°F)	-20°C~60°C (-4°F~140°F)	-20°C~60°C (-4°F~140°F)	-20°C~60°C (-4°F~140°F)

Solar Panel

Model	PFM371-150	PFM371-M275	PFM371-M330
Appearance			
Max. power(Pmax)	150Wp	275Wp	330Wp
Max. power point voltage(Vmp)	36.58V	31.99Vdc	37.7Vdc
Max. power point current(Imp)	4.10A	8.60A	8.76A
Efficiency of battery piece	17.20%	19.20%	19.20%
Working temperature	-40°C~+85°C(-40°F~+140°F)	-40°C~+85°C(-40°F~+140°F)	-40°C~+85°C(-40°F~+140°F)

ACCESSORIES

Solar Power Distribution Boxes

Model	PFM377-D2440	PFM377-D4830
Appearance		
Compatibility	Include MPPT controller, lightning arrester, DC circuit breaker, etc	Include MPPT controller, lightning arrester, DC circuit breaker, etc
Controller type	MPPT	MPPT
System voltage	12VDC/24VDC Auto	12VDC/24VDC/48VDC Auto
Max. battery voltage	9VDC~70VDC	9VDC~70VDC
Rated charging current	40A	30A
Rated load current	20A	20A
Max. capacitive load capacity	10000μF	10000μF
Max. input open voltage of solar panels	100V(25°C); 90V(-25°C)	150V(25°C); 135V(-25°C)
Max. input power of solar panel	550W/12VDC; 1100W/24VDC	400W/12VDC; 800W/24VDC; 1200W/36VDC; 1600W/48VDC

Storage Batteries

Mounting Brackets of Solar Panles

Battery Box

Power Inverter

Model	DC12-100	DC12-150	DC12-200	PFM376-C	PFM376-D	PFM374-H400	TS-400-248B
Appearance							
Description	DC12V gel battery Capacity (25°C/77°F, 10hr): 100Ah Max. Charging Current: 20A (0.2C) Max. Discharging Current: 1000A (5 s)	DC12V gel battery Capacity (25°C/77°F, 10hr): 150Ah Max. Charging Current: 30A (0.2C) Max. Discharging Current: 1500A (5 s)	DC12V gel battery Capacity (25°C/77°F, 10hr): 200Ah Max. Charging Current: 40A (0.2C) Max. Discharging Current: 2000A (5 s)	Mounting Bracket of PFM371-M275 and PFM371-M330	Mounting Bracket of PFM371-M275 and PFM371-M330	Solar Battery Storage Box, max. 2 batteries in 1 box	400W power Inverter, Input: DC42-60V Output: 200 / 220 / 230 / 240Vac selectable by setting button

VIDEO MANAGEMENT SOFTWARE

DSS Products

		DSS Express	DSS Pro	DSS4004-S2	DSS7016D(R)-S2
	Model	V1.00.003.2	V7.02.005.1	V1.01.000.1	V1.01.001.1
	Appearance			 	 
Deployment	OS	Windows	Windows	Linux	Linux
	Form	Software	Software	ALL-IN-ONE	ALL-IN-ONE
	Hot standby	✗	✓	✓	✓
	Distribute	✗	✓	✗	✓
	N+M	✗	✓	✗	✓
	Cascade As Superior Level	✗	✓	✗	✗
Performance	Cascade As Subordinate Level	✓	✓	✓	✓
	Camera	256	1000 IP, 2000 CH	256	500 IP, 1000 CH
	Face Recognition	8	100	32	100
	ANPR	8	64	32	64
	Maximum Video Input Bandwidth Per Server	350Mbps	600Mbps	350Mbps	600Mbps
Features	Maximum Storage Bandwidth Per Server	150Mbps	600Mbps	150Mbps	600Mbps
	Onvif	✓	✓	✓	✓
	Auto Register	✗	✓	✗	✓
	P2P	✓	✗	✗	✗
	Microsoft Active Directory	✗	✓	✗	✓
	Disk Group	✗	✓	✗	✓
	ISCSI	✓	✓	✓	✓
	Records backup from device by time or wifi	✗	✓	✗	✓
	GIS Map	✗	✓	✗	✓
	Thumbnail search	✗	✓	✗	✓
	Access Control, Video Intercom, Visitor Management, Entrance	✓	✓	✓	✓
	Attendance	✗	✓	✗	✗
AI	Perimeter Protection	✓	✓	✓	✓
	Thermal Alarm	✓	✓	✓	✓
	Face Recognition	✓	✓	✓	✓
	Flow Analysis	✓	✓	✓	✓
Add on	ANPR	✓	✓	✓	✓
	Object detection	✗	✓	✗	✓
Add on	Add-ons	✗	✓	✗	✗

VIDEO MANAGEMENT SOFTWARE

DMSS



Digital Mobile Surveillance System
Monitor Anything with Your SmartPhone or Tablet Anytime, Anywhere



	Supported Devices	DVR, NVR, IPC, VTO, DoorBell, Alarm Hub
Devices	Add Device Method	IP/domain, SN, Import from cloud, Soft AP
	Features	Remote config, Alarm config, HDD info, Share device list
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 1920×1080
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	24 hours
	Features	Snapshot, Record, Speed up / slow down, Frame-by-frame, Cut
Alarm Push	Alarm Type	Motion detect, Camera masking, Local alarm, Disk alarm (no disk, Low space, disk Error), Face detection, Ivs alarm, Thermal Imaging Alarm, Defocus, Audio Detect, HDD Alarm, Sensor Alarm, Network Alarm
	Push Type	Video, Preview

DORI DISTANCE (D/O/R/I)

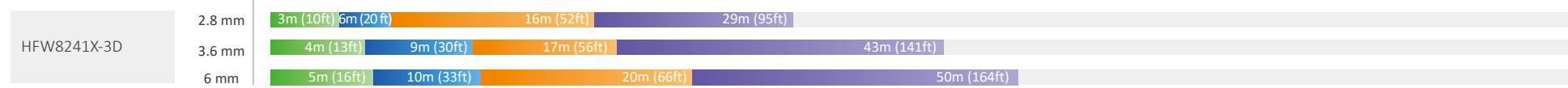
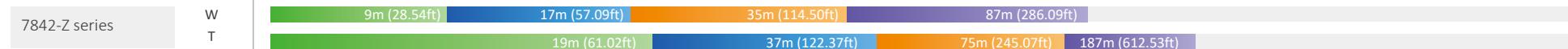
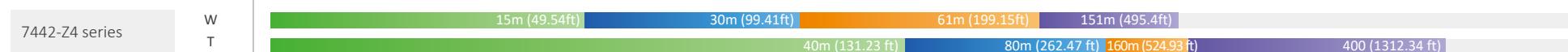
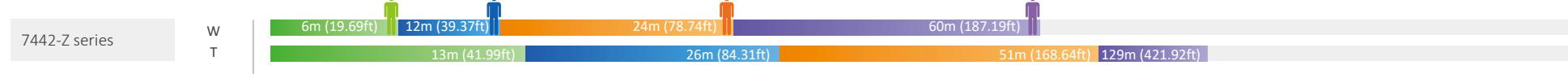
Find the Optimal Camera for Your Customized Surveillance Needs

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 that defines the criteria for Detect, Observe, Recognize, and Identify, respectively.

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

NETWORK CAMERAS

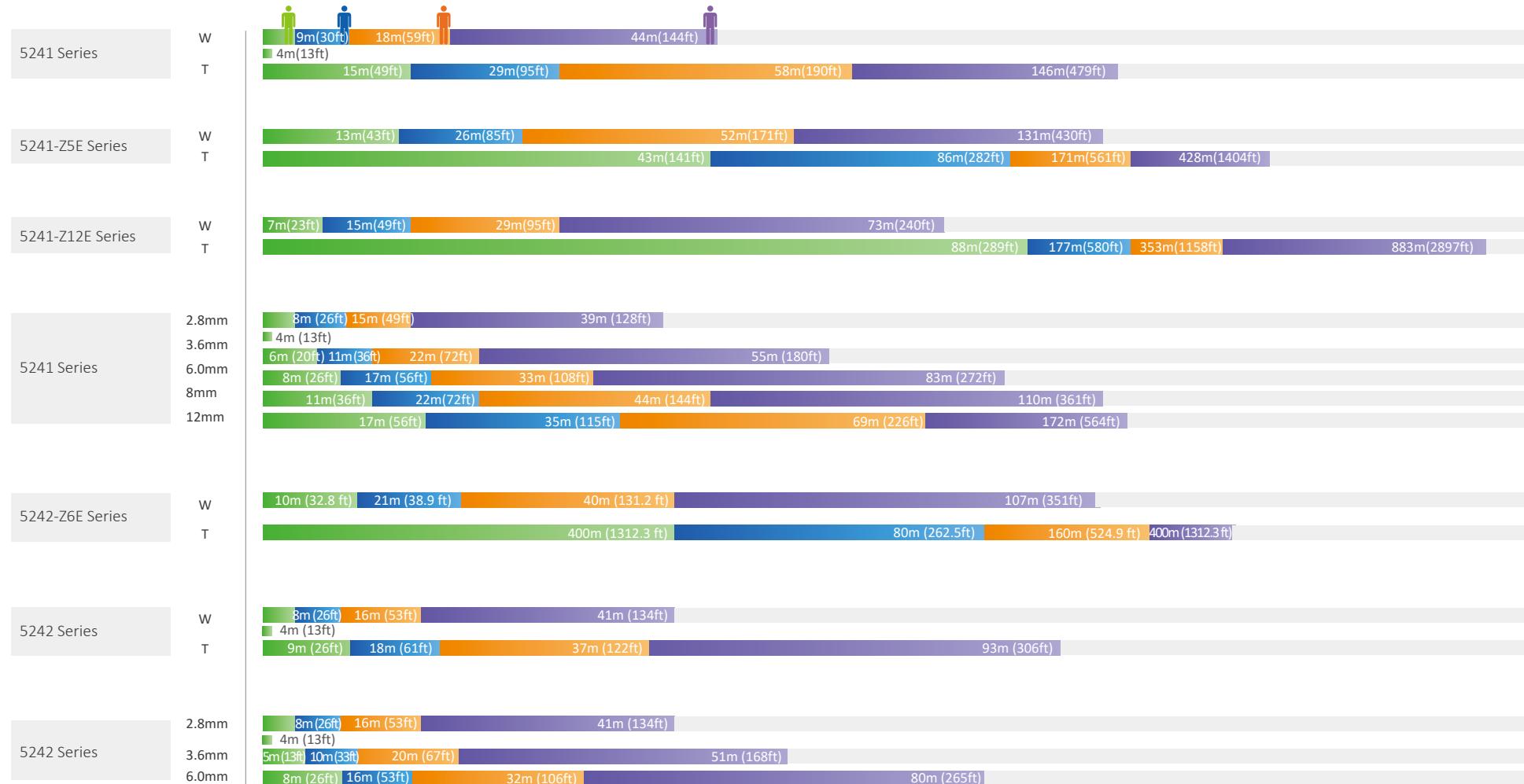
WizMind 7 Series



DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

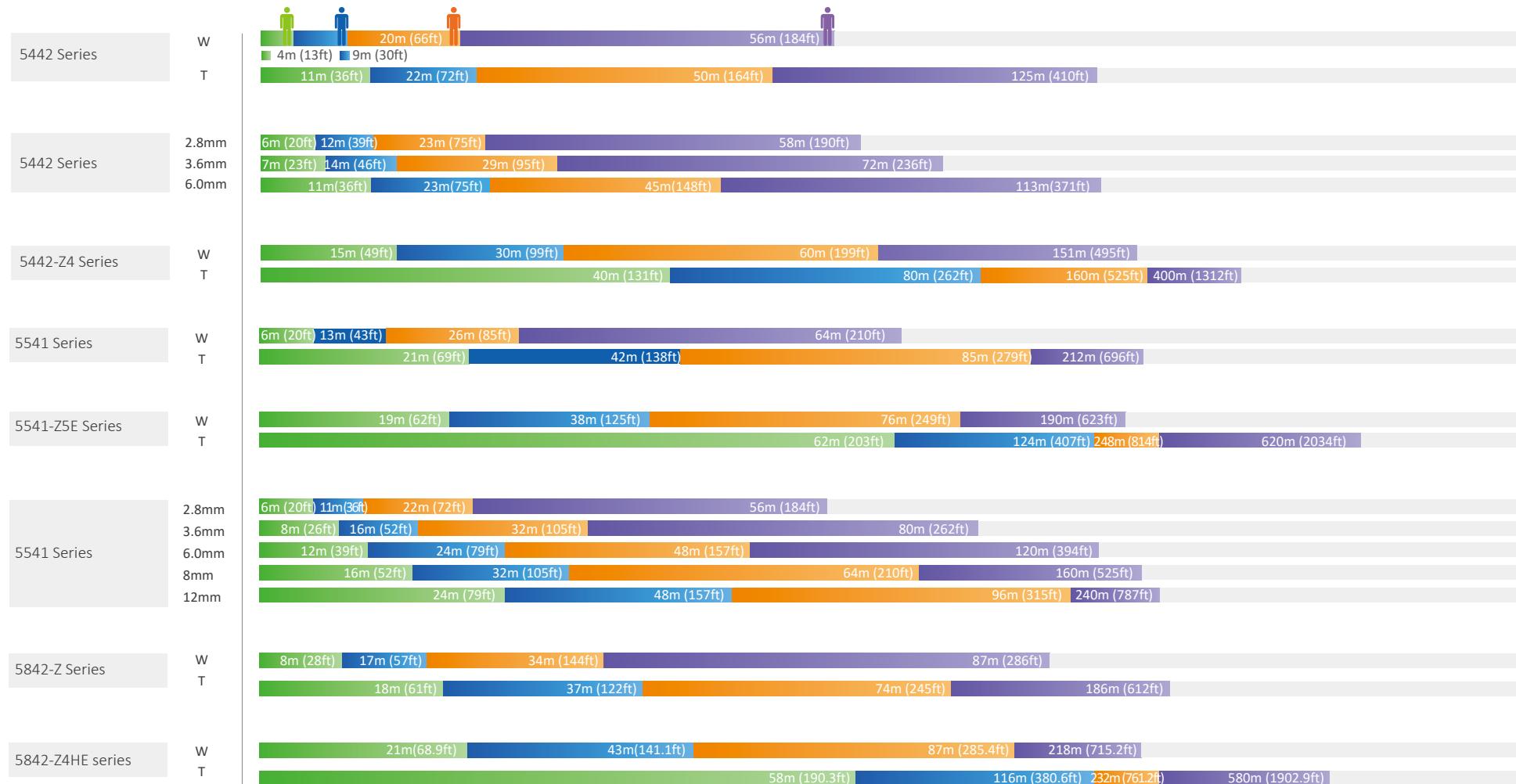
WizMind 5 Series



DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

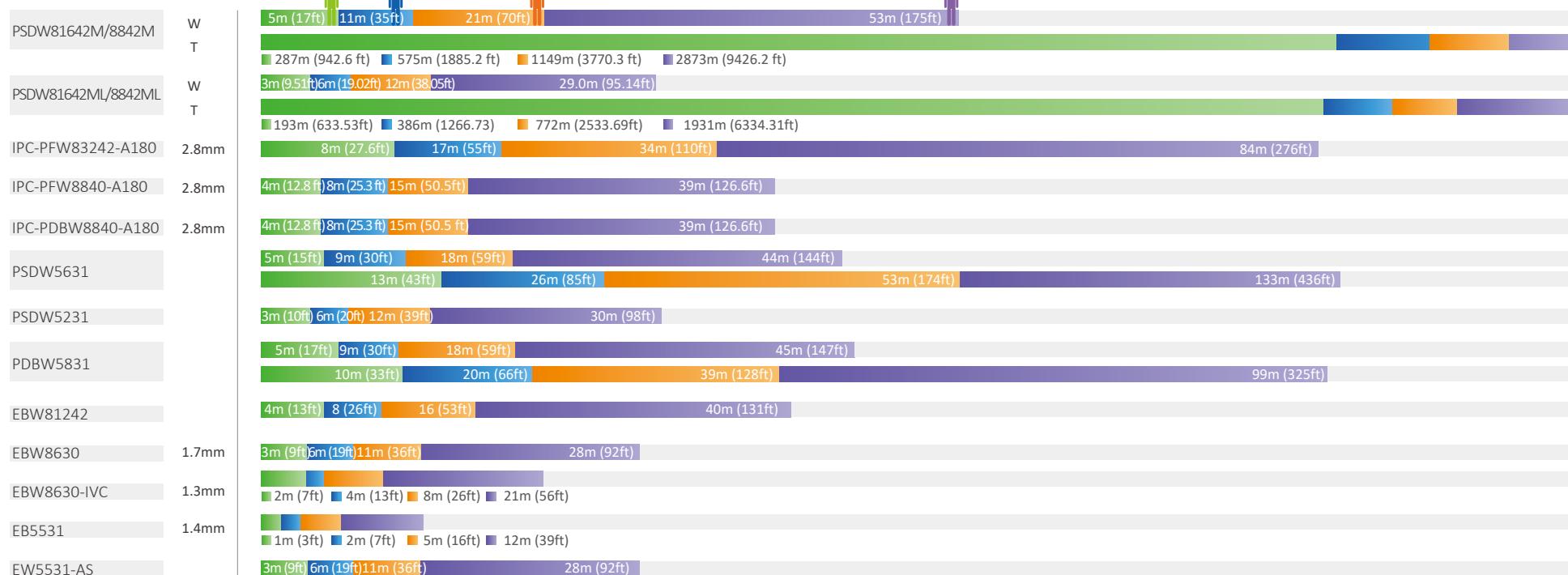
WizMind 5 Series



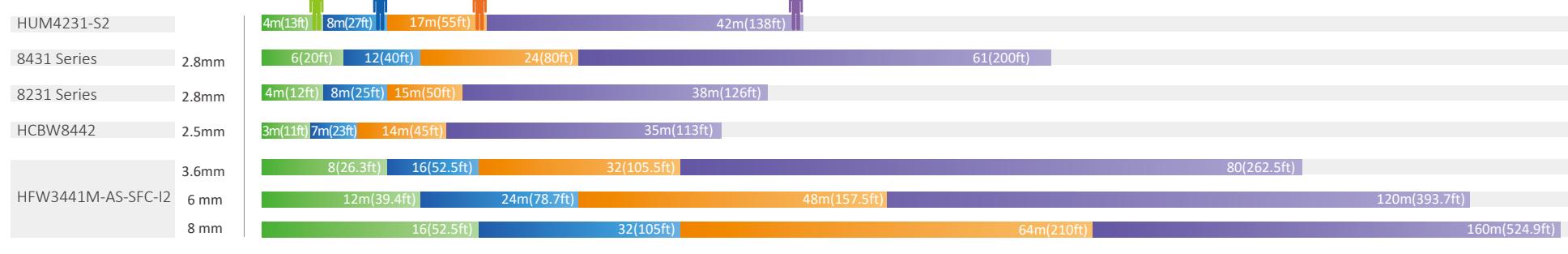
DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

Panoramic Series



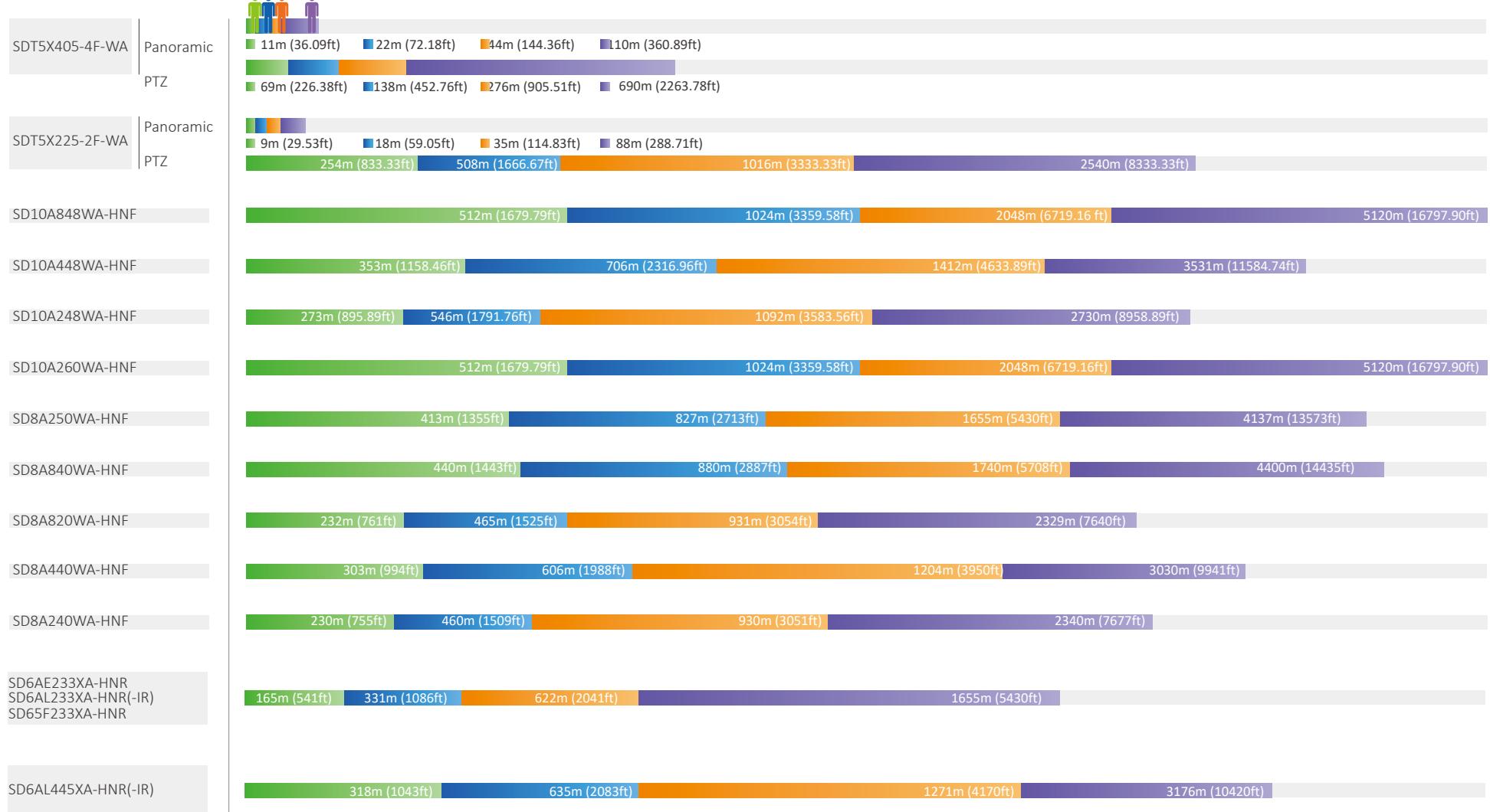
Special Series



DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

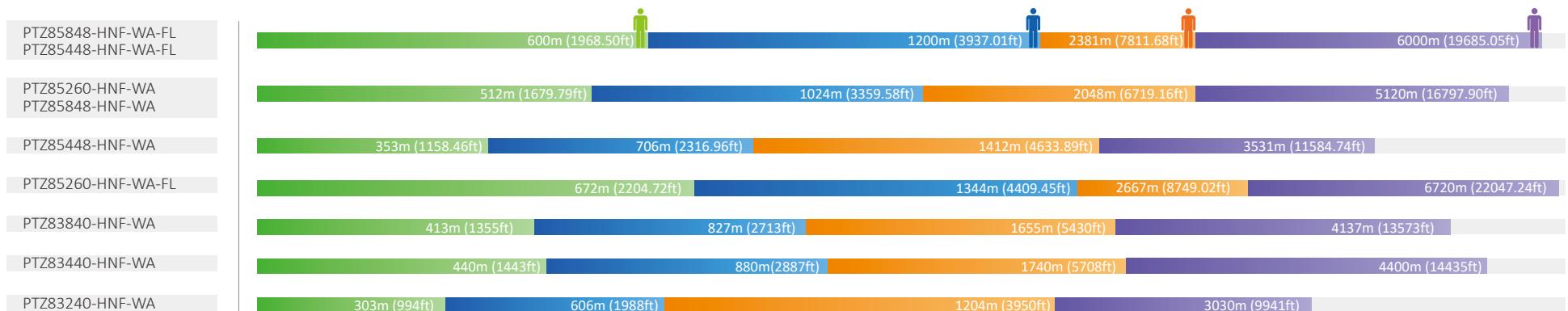
WizMind Series



DORI DISTANCE (D/O/R/I)

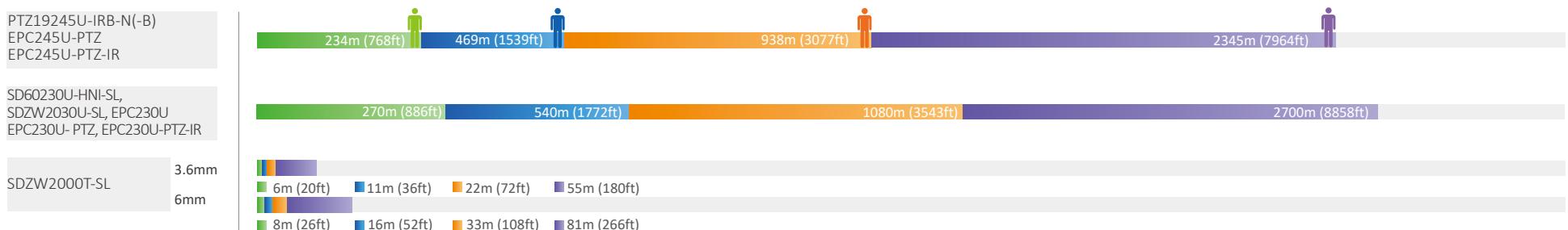
NETWORK PTZ CAMERAS

All-environment Series (AI)



M (ft) | 0 200 (656ft) 400 (1312ft) 600 (1969ft) 800 (2625ft) 1000 (3281ft) 1200 (3937ft) 2000 (6562ft) 3000 (9843ft) 4000 (13123ft) 7000 (22965ft)

All-environment Series (Non-AI)



M (ft) | 0 200 (656 ft) 400 (1312ft) 600 (1969ft) 800 (2625ft) 1000 (3281ft) 1200 (3937ft) 1400 (4593ft) 2000 (6562ft) 3000 (9843ft) 4000 (13123ft)

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].

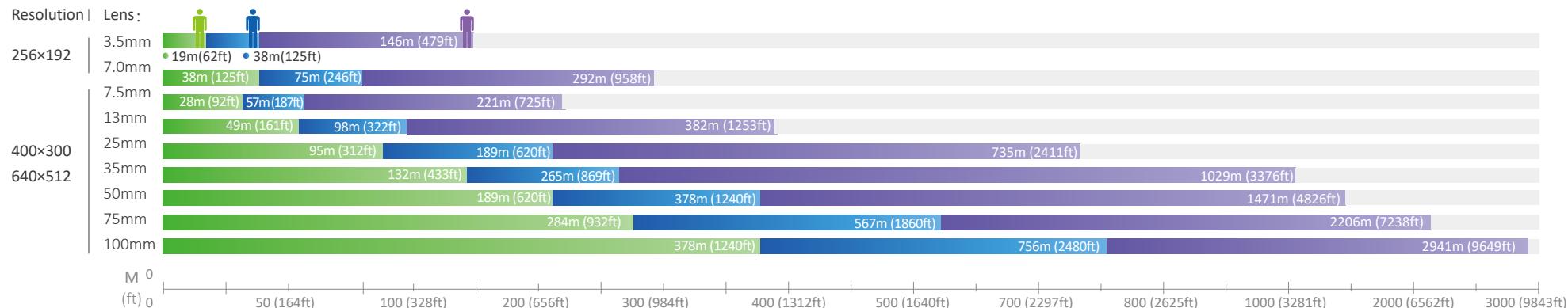
- █ Detection distance
- █ Recognition distance
- █ Identification distance

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

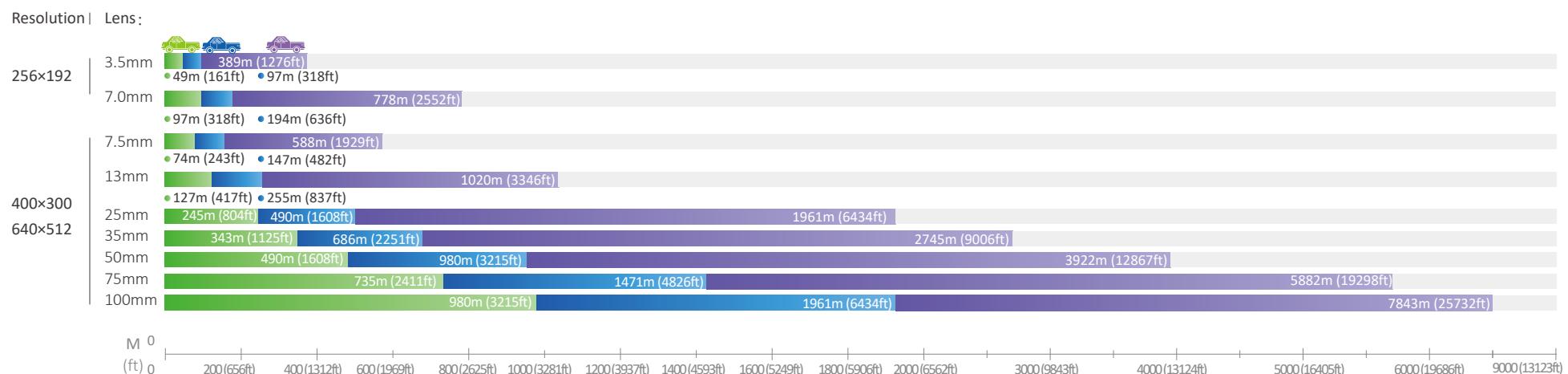
Recognition: Distinguish classification of objects [Human, Vehicle or Building]
Required minimum pixels: Human 14 pixels, Vehicle 12 pixels

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

Dahua USA
Tel: +1 (949) 679-7777
Email: sales.usa@dahuatech.com
support.usa@dahuatech.com

Dahua Mexico
Tel: +52 55 67231936
Email: sales.mx@dahuatech.com
support.mx@dahuatech.com

Dahua Colombia
Tel: +571 7446110
Email: sales.co@dahuatech.com
support.co@dahuatech.com

Dahua Brazil
Tel: +55 11 32511871
Vendas: comercial.br@dahuatech.com
Suporte Técnico: suporte.br@dahuatech.com

Dahua Perú
Tel: +511 500-8555
Email: sales.pe@dahuatech.com
support.pe@dahuatech.com

Dahua Chile
Tel: +56 232705421
Email: sales.cl@dahuatech.com
support.chile@dahuatech.com

Dahua Argentina
Email: project.ar@dahuatech.com

Dahua Panama
Email: sales.pa@dahuatech.com
Support: support.pa@dahuatech.com

Dahua Thailand
Tel: +66 2541 5188
Email: info.th@dahuatech.com
hr.th@dahuatech.com

Dahua Singapore
Tel: +65 65380952
Email: sales.sg@dahuatech.com

Dahua Turkey
Email: sales.tr@dahuatech.com
support.tr@dahuatech.com

Dahua Malaysia
Tel: +60376620731
Email: sales.my@dahuatech.com

Dahua Indonesia
Tel: +62 811 867 7728
Email: sales.indo@dahuatech.com

Dahua S.Korea
Tel: +82 7081618889
Email: sales.kr@dahuatech.com
support.kr@dahuatech.com

Dahua India
Tel: +91 1244569100
Email: sales.india@dahuatech.com

Dahua Russia
Tel: 8 (499) 682-60-00
Email: info@dahuatech.com

Dahua Kazakhstan
Tel: +7 727 3110838
Email: sales.kz@dahuatech.com

Dahua VISION LLC
Tel: +998 (78) 1488666
E-mail: dh_uzbekistan@dahuatech.com

Dahua UK
Tel: +44(0)1628 613 500
Email: sales.uk@dahuatech.com

Dahua the Netherlands
Tel: +31 (0) 79 799 96 96
Email: sales.benelux@dahuatech.com

Dahua Iberia
Tel: +34 917649862
Email: sales.iberia@dahuatech.com

Dahua Italy
Tel: +39 362182681
Email: sales.italy@dahuatech.com

Dahua Germany
Tel: +49 211 20544121
Email: sales.de@dahuatech.com

Dahua France
+33 1 48 53 70 53
Email: sales.france@dahuatech.com

Dahua CEE & Nordic
Tel: +48 223957400
Email: dh.cen@dahuatech.com

Dahua Poland
Tel: +48 223957400
Email: biuro.pl@dahuatech.com

Dahua SRB
+38 1 (11) 4429999
Email: dh.srb@dahuatech.com

Dahua Denmark
Email: Nordic.ne@dahuatech.com

Dahua Hungary
Tel: +36 17899852
Email: sales.hu@dahuatech.com

Dahua Bulgaria
Tel: +35929950013
Email: support.bg@dahuatech.com

Dahua SRL
Email: marketing.ro@dahuatech.com

Dahua Czech
Tel: +420 225 986 001
Email: admin.cz@dahuatech.com

Dahua S. Africa
Email: sales.za@dahuatech.com

Dahua Australia
Tel: +61 299285200
Email: sales.oc@dahuatech.com

Dahua Middle East
Tel: +971 48815300
Email: sales.me@dahuatech.com
info.me@dahuatech.com

* Design and specifications are subject to change without notice.

Ver. 2, Jul. 2020

DAHUA TECHNOLOGY

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053
Tel: +86-571-87688883 Fax: +86-571-87688815
Email: overseas@dahuatech.com
www.dahuasecurity.com

