

IP VIDEO DISTRIBUTION PRODUCTS | 2021 Ver.2

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



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WizSense

Launched by Dahua Technology, WizSense is a series of wide range AI products and solutions that adopt independent AI chip and deep learning algorithm. It can recognize human and vehicle in an image with high accuracy, enabling users to focus on real targets. Based on Dahua's advanced technology, WizSense makes your video intelligent, simple and inclusive.



Intelligent refers to WizSense powered by AI chip and deep learning algorithm. It provides various features that realize accurate alarms for human and vehicle, as well as quick target search, maximizing resources to increase overall efficiency.



Simple means WizSense offers simple configuration, especially for SMD Plus that can be enabled by just a single button. It eases your customer's daily job and also empowers them to make better business decisions.



Inclusivity of WizSense is the idea that everyone gets the opportunities and benefits from AI. With affordable prices and easy configuration of Dahua WizSense, AI is no longer confined to the ivory tower, but applied to real scenarios instead.

Wiz Sense

Focus on Human and Vehicle





WizSense Core Technologies

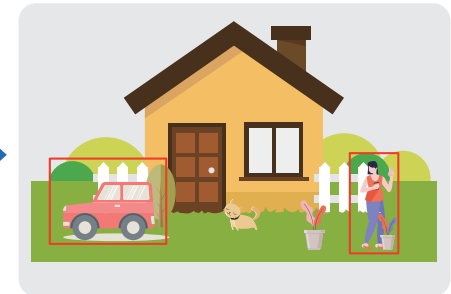
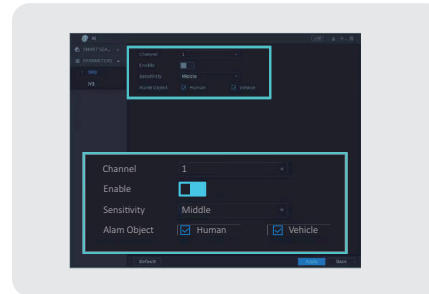
SMD

• SMD Plus, short for Smart Motion Detection Plus, analyzes person and vehicle shapes based on motion detection and sends alarms only when a person or vehicle has been detected for intrusion.

• One key to enable
Alarm triggered



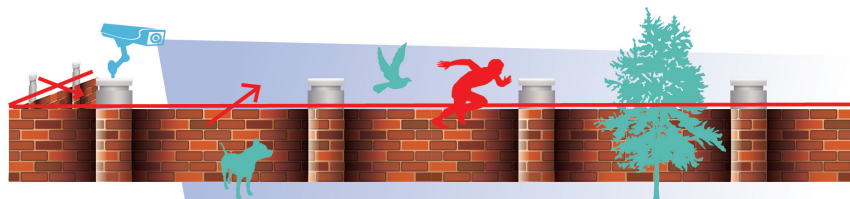
• False alarm rate < 2%
Alarm filtered



Perimeter Protection

Visible

• The perimeter protection based on tripwire and area intrusion sends an alarm when unwanted movements triggered by human or vehicle occur, avoiding unnecessary false alarm.



• Traditional IVS
Causes of false or missed alarms



• Perimeter Protection
Alarm will be triggered only when a human or vehicle violates a rule



False alarm rate: < 1%

Thermal

• The Dahua thermal camera combines thermal imaging technology with AI technology to detect various dangerous situations in time and protect your property from any possible loss.

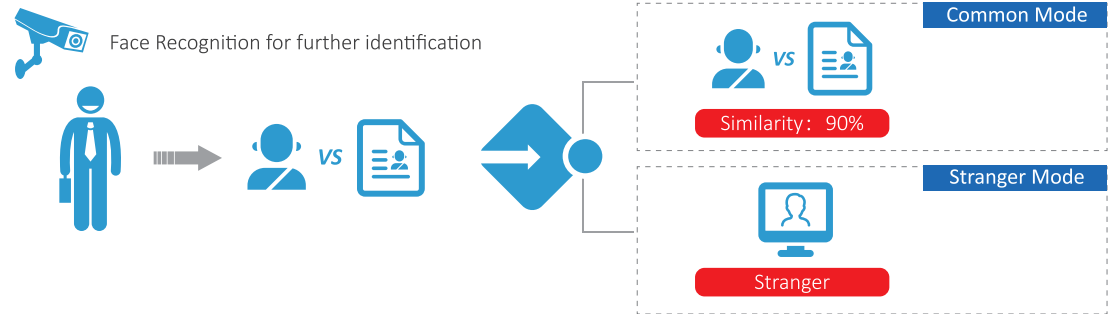




WizSense Core Technologies

Face Recognition

- The captured facial features will be compared with the face image data in the database. When a successful match is found, the system provides an output result.
- Only needs **60*60 pixels** for FR, providing more accurate comparison results and quicker processing
- Offers Face Recognition with up to **95% accuracy**
- Recognition speed: **<1s**



Active Deterrence

- With built-in spotlight and security siren, it can actively warn off intruders and inform users in time.



Video analysis shows there is a human (or vehicle) in the monitored scene



The camera flashes and makes a warning sound to deter the intruder



User receives alert by DMSS instantly

Full-color

Dahua Technology's full-color camera captures vivid color information even in low-light conditions. It effectively extracts the color features of scenes – be it human, vehicle or details – in places prone to incidents such as a park at night or a dark alley, providing great help to police officers during the evidence obtaining procedure. In addition, the full-color camera also works with AI functions to further enhance the probability and accuracy of target recognition and feature extraction.



Large Aperture Lens

- F1.0 super aperture collects 2.5 times the amount of light compared with F1.6 aperture, providing more light and brighter image.



High Performance Sensor

- 30% increase in photosensitive capacity using larger sensor.



Advanced ISP

- Dahua ISP 4.0 greatly improves signal-to-noise ratio and color reproduction.



Warm Light

- Blue light weighted radiance is 40% below the European Union standards, enabling lower light pollution and less harm to human eyes.



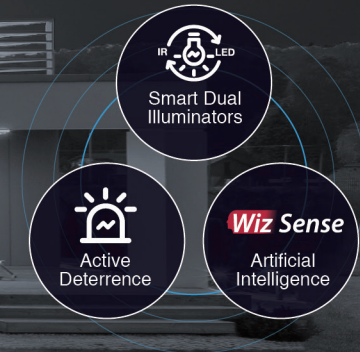
Colorful View Ever
Dark World Never





3-in-1 Camera TiOC 2.0

Your Effective Deterrent
Against Intruders



TiOC 2.0

With its foundation from the previous generation of TiOC, a variety of new innovative technologies are introduced in the latest TiOC 2.0 for the first time, achieving technological breakthroughs and quality improvements in illuminators, audio and images. At the same time, the TiOC 2.0 can be integrated with alarms through software upgrades. It provides better ecosystem that offers more convenient operation and better user experience.



Accurate Alarm

- TiOC offers accurate alarms that focus on human and vehicle targets, and filters out non-target objects such as animals, leaves and car headlights. While keeping false alarm rate under 2%, its powerful AI algorithms also delivers a quicker, more accurate and longer range motion detection (in the HDCVI system, all AI functions are realized by the XVR).



Smart Dual Illuminators

- Smart Illumination (Default): Switch between IR Mode and White Light Mode when a target is detected.
- IR Mode (Optional): Only IR illuminator is on. Less use of supplementary white light means less light pollution in the area.
- White Light Mode (Optional): Only white light is on. It is suitable for application scenarios that require color footages.



Active Deterrence

- Red and Blue Light; Enhanced Sound Alarm; Real-time Notification.

Thermal

Thermal camera is the ideal choice for users who require high performance but have limited budget. With its small size and dual spectrum with powerful combination of visible light and thermal imaging, this series integrates advanced Dahua image analysis and intelligent algorithms, providing a one-stop solution for small and medium-sized monitoring applications.



Image Fusion

- Both visible image and thermal image are accurately integrated to produce a new image containing details and temperature information, providing more information that can aid user's decision making.



Smoking Detection

- Dual spectrum combination – the visible light channel detects human (head) and the thermal channel detects cigarettes, eliminating non-target objects such as cigarette lighter or boiled water.



NETWORK CAMERAS





WizSense Series Network Camera

With advanced deep learning algorithm, the Dahua WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With Starlight technology, this camera series provides a better image effect under low light condition.



SMD Plus

With intelligent algorithm, the Dahua Smart Motion Detection technology can categorize the targets that trigger the alarm, and filter out false alarms triggered by non-target objects to realize effective and accurate alarm.



Perimeter Protection

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



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 reducing storage and transmission costs.

NETWORK CAMERAS

WizSense Series

Vari-focal Bullet







Model	IPC-HFW3841T-ZAS	IPC-HFW3841T-ZS	IPC-HFW3541T-ZAS	IPC-HFW3541T-ZS	IPC-HFW3441T-ZAS	IPC-HFW3441T-ZS
Appearance						
Image Sensor	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Focal Length	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens
FOV-H	113°~31°	113°~31°	99°~26°	99°~26°	104°~27°	104°~27°
Min. Illumination	0.007 Lux@F1.5	0.007 Lux@F1.5	0.005Lux@F1.5	0.005Lux@F1.5	0.005Lux@F1.5	0.005Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	60m (197.0 ft)	60m (197.0 ft)	60m (197.0 ft)	60m (197.0 ft)	60m (197.0 ft)	60m (197.0ft)
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.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	8M (3840 × 2160)	8M (3840 × 2160)	5M (2592 × 1944)	5M (2592 × 1944)	4M (2688 × 1520)	4M (2688 × 1520)
Frame Rate	3840 × 2160 @ (1~20 fps by default) 3840 × 2160 @ (1~25/30 fps when AI function disabled)	3840 × 2160 @ (1~20 fps by default) 3840 × 2160 @ (1~25/30 fps when AI function disabled)	2592 × 1944@1~20 fps	2592 × 1944@1~20 fps	2688 × 1520@1~25/30 fps	2688 × 1520@1~25/30 fps
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/Profile G/Profile T); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
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 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	1channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67	IP67	IP67, IK10 (optional)	IP67, IK10 (optional)
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/POE (802.3af), Max. 10.7W	12V DC/POE (802.3af), Max. 10.7W	12V DC/POE (802.3af), Max. 9.8W	12V DC/POE (802.3af), Max. 9.8W	12V DC/POE (802.3af), Max. 9.8W	12V DC/POE (802.3af), Max. 9.8W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

WizSense Series

	Vari-focal Bullet		Vari-focal Dome			
Model	IPC-HFW3241T-ZAS	IPC-HFW3241T-ZS	IPC-HDBW3841R-ZAS	IPC-HDBW3841R-ZS	IPC-HDBW3541R-ZAS	IPC-HDBW3541R-ZS
Appearance	 Starlight+	 Starlight+	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens
FOV-H	108°~28°	108°~28°	113°~31°	113°~31°	99°~26°	99°~26°
Min. Illumination	0.002Lux@F1.5	0.002Lux@F1.5	0.007 Lux @F1.5	0.007 Lux @F1.5	0.005 Lux@F1.5	0.005 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	60m (197.0ft)	60m (197.0ft)	40m (131.2 ft)	40m (131.2 ft)	40m (131.23 ft)	40m (131.23 ft)
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.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	1080P (1920 x 1080)	1080P (1920 x 1080)	8M (3840 x 21660)	8M (3840 x 21660)	5M (2592 x 1944)	5MP (2592 x 1944)
Frame Rate	1920 x 1080@1~25/30 fps	1920 x 1080@1~25/30 fps	3840 x 2160 @(1~20 fps by default) 3840 x 2160 @(1~25/30 fps when AI function disabled)	3840 x 2160 @(1~20 fps by default) 3840 x 2160 @(1~25/30 fps when AI function disabled)	2592 x 1944@1~20 fps	2592 x 1944@1~20 fps
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°~355°;Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°;Tilt: 0°~75°; Rotation: 0°~355°	Pan:0°~355°, Verticle:0°~75°, Rotation:0°~355°	Pan:0°~355°, Verticle:0°~75°, Rotation:0°~355°
Compatibility	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone;Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
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 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/POE (802.3af), Max. 9.4W	12V DC/POE (802.3af), Max. 9.4W	12V DC/POE (802.3af), Max. 8.2W	12V DC/POE (802.3af), Max. 8.2W	12V DC/POE (802.3af), Max. 8.5W	12V DC/POE (802.3af), Max. 8.5W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

WizSense Series

	Vari-focal Dome				Vari-focal Eyeball	
Model	IPC-HDBW3441R-ZAS	IPC-HDBW3441R-ZS	IPC-HDBW3241R-ZAS	IPC-HDBW3241R-ZS	IPC-HDW3841T-ZAS	IPC-HDW3541T-ZAS
Appearance	 Starlight	 Starlight	 Starlight+	 Starlight+	 Starlight	 Starlight
Image Sensor	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.7mm ~13.5mm motorized lens	2.7mm ~13.5mm motorized lens	2.7mm ~13.5mm motorized lens	2.7mm ~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens
FOV-H	104°~27°	104°~27°	108°~28°	108°~28°	113°~31°	99°~26°
Min. Illumination	0.005 Lux@F1.5	0.005 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5	0.007 Lux @F1.5	0.005 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.23 ft)	40 m (131.23 ft)	40m (131.23 ft)	40m (131.23 ft)	50m (164 ft)	40m (131.2 ft)
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.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	4MP (2688 × 1520)	4MP (2688 × 1520)	1080P (1920 × 1080)	1080P (1920 × 1080)	8MP (3840 × 2160)	5Mp (2592 x 1944)
Frame Rate	2688 x 1520@1~25/30 fps	2688 x 1520@1~25/30 fps	1920 x 1080@1~25/30 fps	1920 x 1080@1~25/30 fps	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	2592 x 1944@1~20 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°, Verticle:0°~75°, Rotation:0°~355°	Pan:0°~355°, Verticle:0°~75°, Rotation:0°~355°	Pan:0°~355°, Verticle:0°~75°, Rotation:0°~355°	Pan:0°~355°, Verticle: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), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI,P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
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	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	--	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/POE (802.3af), Max. 8.5W	12V DC/POE (802.3af), Max. 8.5W	12V DC/POE (802.3af), Max. 8W	12V DC/POE (802.3af), Max. 8W	12V DC/POE (802.3af), Max. 7.3W	12V DC/POE (802.3af), Max. 8.0W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Support	Supported

WizSense Series

	Vari-focal Eyeball			Fixed-focal Bullet		
Model	IPC-HDW3441T-ZAS	IPC-HDW3241T-ZAS	IPC-HFW3841E-AS	IPC-HFW3841E-SA	IPC-HFW3541E-AS	IPC-HFW3541E-SA
Appearance						
Image Sensor	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.7mm~13.5mm motorized lens	2.7mm~13.5mm motorized lens	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	104°~27°	108°~28°	0°~108°(2.8mm), 0°~85°(3.6mm)	0°~108°(2.8mm), 0°~85°(3.6mm)	98°/80°/50°	98°/80°/50°
Min. Illumination	0.005 Lux@F1.5	0.002 Lux@F1.5	0.007 Lux @F1.4	0.007 Lux @F1.4	0.005 Lux@F1.6	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.2 ft)	40m (131.2 ft)	30m (98.4 ft)	30m (98.4 ft)	50m (164.0 ft)	50m (164.0 ft)
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.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	4MP (2688 × 1520)	1080P (1920 × 1080)	8M (3840 × 2160)	8M (3840 × 2160)	5MP (2592 × 1944)	5MP (2592 × 1944)
Frame Rate	2688 × 1520@1~25/30 fps	1920 × 1080@1~25/30 fps	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	2592 × 1944@1~20 fps	2592 × 1944@1~20 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°, Tilt:0°~78°, Rotation:0°~360°	Pan:0°~360°, Tilt:0°~78°, Rotation:0°~360°	Pan: 0°~360°;Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°;Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
Audio In/Out	Built-in Mic	Built-in Mic	1/1, Built-in Mic	Built-in Mic	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	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-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/POE (802.3af), Max. 8.3W	12V DC/POE (802.3af), Max. 7.8W	12V DC/POE (802.3af), Max.6.3W	12V DC/POE (802.3af), Max.6.3W	12V DC/POE (802.3af), Max.5.4W	12V DC/POE (802.3af), Max.5.4W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS













WizSense Series

Fixed-focal Bullet

Model	IPC-HFW3441E-AS	IPC-HFW3441E-SA	IPC-HFW3241E-AS	IPC-HFW3241E-SA	IPC-HFW3441M-AS-I2	IPC-HFW3241M-AS-I2
Appearance	 Starlight	 Starlight	 Starlight+	 Starlight+	 Starlight	 Starlight+
Image Sensor	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	3.6mm fixed lens (optional 6mm/8mm/12mm)	3.6mm fixed lens (optional 6mm/8mm/12mm)
FOV-H	103°/84°/52°	103°/84°/52°	106°/87°/54°	106°/87°/54°	84°/52°/40°/24°	87°/54°/41°/26°
Min. Illumination	0.005 Lux@F1.6	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	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	50m (164.0 ft)	50m (164.0 ft)	50m (164.0 ft)	50m (164.0 ft)	80m (262.5 ft)	80m (262.5 ft)
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.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	4M (2688 × 1520)	4M (2688 × 1520)	1080P (1920 × 1080)	1080P (1920 × 1080)	4Mp (2688 × 1520)	1080P (1920 × 1080)
Frame Rate	2688 × 1520@1~25/30 fps	2688 × 1520@1~25/30 fps	1920 × 1080@1~25/30 fps	1920 × 1080@1~25/30 fps	2688 × 1520@1~25/30 fps	1920 × 1080@1~25/30 fps
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°	--	--
Compatibility	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
Audio In/Out	1/1, Built-in Mic	Built-in Mic	1/1, Built-in Mic	Built-in Mic	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 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	2 channel In: 5mA 3V-5VDC 2 channel Out: 300mA 12VDC	2 channel In: 5mA 3V-5VDC 2 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
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/POE (802.3af), Max.5.4W	12V DC/POE (802.3af), Max.5.4W	12V DC/POE (802.3af), Max.5.2W	12V DC/POE (802.3af), Max.5.2W	12V DC/POE (802.3af), Max.11.6W	12V DC/POE (802.3af), Max.11W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

WizSense Series

Fixed-focal Dome

Model	IPC-HDBW3841E-AS	IPC-HDBW3841E-S	IPC-HDBW3541E-AS	IPC-HDBW3541E-S	IPC-HDBW3441E-AS	IPC-HDBW3441E-S
Appearance	 WizSense 	 WizSense 	 WizSense 	 WizSense 	 WizSense 	 WizSense 
Image Sensor	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	0°~108°(2.8mm), 0°~85°(3.6mm)	0°~108°(2.8mm), 0°~85°(3.6mm)	98°/80°/50°	98°/80°/50°	103°/84°/52°	103°/84°/52°
Min. Illumination	0.007 Lux @F1.4	0.007 Lux @F1.4	0.005 Lux@F1.6	0.005 Lux@F1.6	0.005 Lux@F1.6	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	50m (164.0 ft)	50m (164.0 ft)	50m (164.0 ft)	50m (164.0 ft)
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.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG	H.265/H.264/H.264H/ H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	8M (3840 × 2160)	8M (3840 × 2160)	5M (2592 × 1944)	5M (2592 × 1944)	4M (2688 × 1520)	4MP (2688 × 1520)
Frame Rate	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	2592 × 1944@1~20 fps	2592 × 1944@1~20 fps	2688 × 1520@1~25/30 fps	2688 × 1520@1~25/30 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°;Tilt: 0°~60°; Rotation: 0°~355°	Pan: 0°~360°;Tilt: 0°~60°; Rotation: 0°~355°	Pan:0°~355°; Verticle:0°~65°; Rotation:0°~355°	Pan:0°~355°; Verticle:0°~65°; Rotation:0°~355°	Pan:0°~355°; Verticle:0°~65°; Rotation:0°~355°	Pan:0°~355°; Verticle:0°~65°; Rotation: 0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone,Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
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 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+55°C (-40°F ~ +131°F)	-40°C~+55°C (-40°F ~ +131°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/POE (802.3af), Max.7W	12V DC/POE (802.3af), Max.7W	12V DC/POE (802.3af), Max.7.3W	12V DC/POE (802.3af), Max.7.3W	12V DC/POE (802.3af), Max.7.3W	12V DC/POE (802.3af), Max.7.3W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

WizSense Series

	Fixed-focal Dome		Fixed-focal Eyeball		
Model	IPC-HDBW3241E-AS	IPC-HDBW3241E-S	IPC-HDW3841EM-AS	IPC-HDW3841TM-AS	IPC-HDW3541TM-AS
Appearance	 WizSense Starlight+	 WizSense Starlight+	 WizSense Starlight	 WizSense Starlight	 WizSense Starlight
Image Sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	106°/87°/54°	106°/87°/54°	0°~108°(2.8mm), 0°~85°(3.6mm)	0°~108°(2.8mm), 0°~85°(3.6mm)	98°/80°/50°
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.6	0.007 Lux @F1.4	0.007 Lux @F1.4	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	50m (164.0 ft)	50m (164.0 ft)	30m (98.4 ft)	30m (98.4 ft)	50m (164.0 ft)
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.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	8M (3840×2160)	8M (3840×2160)	5MP (2592×1944)
Frame Rate	1920×1080@1~25/30 fps	1920×1080@1~25/30 fps	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	3840 × 2160 @(1~20 fps by default) 3840 × 2160 @(1~25/30 fps when AI function disabled)	2592×1944@1~20 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Verticle:0°~65°; Rotation:0°~355°	Pan:0°~355°; Verticle:0°~65°; Rotation:0°~355°	Pan: 0°~360° Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~78°; Rotation: 0°~360°	Pan:0°~360° Verticle:0°~78°; Rotation:0°~360°
Compatibility	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
Audio In/Out	1/1	--	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	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	--	--	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67	IP67	IP67
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/POE (802.3af), Max.6.9W	12V DC/POE (802.3af), Max.6.9W	12V DC/POE (802.3af), Max.7.9W	12V DC/POE (802.3af), Max.7.9W	12V DC/POE (802.3af), Max.8.1W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported

WizSense Series





	Fixed-focal Eyeball		Wedge Dome		
Model	IPC-HDW3441TM-AS	IPC-HDW3241TM-AS	IPC-HDBW3541F-AS-M	IPC-HDBW3441F-AS-M	IPC-HDBW3241F-AS-M
Appearance	 WizSense 	 WizSense 	 WizSense 	 WizSense 	 WizSense 
Image Sensor	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	103°/84°/52°	106°/87°/54°	98°/80°/50°	103°/84°/52°	106°/87°/54°
Min. Illumination	0.005 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
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	50m (164.0 ft)	50m (164.0 ft)	30m (98.4ft)	30m (98.4ft)	30m (98.4ft)
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.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	4M (2688 × 1520)	1080P (1920 × 1080)	5M (2592 × 1944)	4MP (2688 × 1520)	1080P (1920 × 1080)
Frame Rate	2688 x 1520@1~25/30 fps	1920 x 1080@1~25/30 fps	2592 x 1944@1~20 fps	2688 x 1520@1~25/30 fps	1920 x 1080@1~25/30 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°, Verticle:0°~78°;Rotation:0°~360°	Pan:0°~360°, Verticle:0°~78°;Rotation:0°~360°	Horizontal:-30°~30°; Vertical: 0°~80°;Rtation: 0°~360°	Horizontal:-30°~30°; Vertical: 0°~80°;Rtation: 0°~360°	Horizontal:-30°~30°; Vertical: 0°~80°;Rtation: 0°~360°
Compatibility	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S & G), CGI, P2P, Milestone, Genetec
Audio In/Out	Built-in Mic	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	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--
Ingress Protection	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)
Power	12V DC/POE (802.3af), Max. 7.7W	12V DC/POE (802.3af), Max. 7.7W	12V DC/POE (802.3af), Max. 5.7W	12V DC/POE (802.3af), Max. 5.7W	12V DC/POE (802.3af), Max. 5.7W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works together with Smart NVR in refining intelligent search, event extraction and merging of event videos.	Works together with Smart NVR in refining intelligent search, event extraction and merging of event videos.	Works together with Smart NVR in refining intelligent search, event extraction and merging of event videos.	Works together with Smart NVR in refining intelligent search, event extraction and merging of event videos.	Works together with Smart NVR in refining intelligent search, event extraction and merging of event videos.
SMD Plus	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

WizSense Series









	Fixed-focal Bullet					Fixed-focal Dome
Model	IPC-HFW3549E-AS-LED	IPC-HFW3449E-AS-LED	IPC-HFW3449E-AS-NI	IPC-HFW3249E-AS-LED	IPC-HFW3249E-AS-NI	IPC-HDBW3449E-AS-NI
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.7" 4MP CMOS
Focal Length	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0
FOV-H	98°/77°	103°/80°	103°/80°	107°/84°	107°/84°	103°/80°
Min. Illumination	0.003 Lux @F1.0	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.0015 Lux @ F1.0	0.0015 Lux @ F1.0	0.003 Lux @ F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	--	30m (98.4 ft)	--	--
Video Compression	H.265/H.264/H.264H/H.264B MJPEG (sub stream)	H.265/H.264/H.264H/H.264B MJPEG (sub stream)	H.265/H.264/H.264H/H.264B MJPEG (sub stream)	H.265/H.264/H.264H/H.264B MJPEG (sub stream)	H.265/H.264/H.264H/H.264B MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	5MP (2592 × 1944)	4MP (2688 × 1520)	4MP (2688 × 1520)	1080p (1920 × 1080)	1080p (1920 × 1080)	4MP (2688 × 1520)
Frame Rate	5MP (2592 × 1944) @20 fps	2688 × 1520 @ 1~25/30 fps	2688 × 1520 @ 1~25/30 fps	1920 × 1080@1~25/30 fps	1920 × 1080@1~25/30 fps	2688 × 1520 @ 1~25/30 fps
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°~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/Profile G/Profile T), CGI, Milestone, Genete	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 (Profile S/Profile G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, P2P, Milestone, Genetec
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	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 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F~+142°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/POE, Max. 8.4W	12V DC/POE, Max. 8.4W	12V DC/POE, Max. 4.4W	12V DC/POE, Max. 8.1W	12V DC/POE, Max. 4.3W	12V DC/POE, Max. 4.4W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

WizSense Series

	Fixed-focal Dome			Fixed-focal Eyeball		
Model	IPC-HDBW3249E-AS-NI	IPC-HDW3549TM-AS-LED	IPC-HDW3449TM-AS-LED	IPC-HDW3449TM-AS-NI	IPC-HDW3249TM-AS-LED	IPC-HDW3249TM-AS-NI
Appearance						
Image Sensor	1/2.8" 2MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0	2.8mm/F1.0; 3.6mm/F1.0
FOV-H	107°/84°	98°/77°	103°/80°	103°/80°	107°/84°	107°/84°
Min. Illumination	0.0015 Lux @ F1.0	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.0015 Lux @ F1.0	0.0015 Lux @ F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	30m (98.4 ft)	20m (65.6 ft)	--	20m (65.6 ft)	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (sub stream)
Smart Codec	Supported	Supported	Supported	Supported	Supported	Supported
Max. Resolution	1080p (1920x1080)	5MP (2592 x 1944)	4MP (2688 x 1520)	4MP (2688 x 1520)	1080p (1920 x 1080)	1080p (1920 x 1080)
Frame Rate	1920 x 1080@1~25/30 fps	5MP (2592 x 1944) @20 fps	2688 x 1520 @ 1~25/30 fps	2688 x 1520 @ 1~25/30 fps	1920 x 1080@1~25/30 fps	1920 x 1080@1~25/30 fps
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°~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/Profile G), CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec	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 (Profile S/Profile G), CGI, P2P, Milestone, Genetec
Audio In/Out	1/1	Built-in Mic	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	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	--	--	--	--	--
Ingress Protection	IP67, IK10	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +141°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/POE, Max. 3.9W	12V DC/POE, Max. 8.4W	12V DC/POE, Max. 8.5W	12V DC/POE, Max. 4.5W	12V DC/POE, Max. 8.1W	12V DC/POE, Max. 4.1W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

WizSense Series

	TiOC Fixed-focal Bullet				TiOC 2.0 Fixed-focal Bullet
Model	IPC-HFW3849T1-AS-PV	IPC-HFW3549T1-AS-PV	IPC-HFW3449T1-AS-PV	IPC-HFW3249T1-AS-PV	IPC-HFW3849T1-AS-PV-S3
Appearance	 TiOC 	 TiOC 	 TiOC 	 TiOC 	 TiOC 
Image Sensor	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm)
FOV-H	0°~107°(2.8mm), 0°~89°(3.6mm)	0°~98°(2.8mm), 0°~77°(3.6mm) 0°~53°(6mm)	0°~103°(2.8mm), 0°~81°(3.6mm) 0°~55°(6mm)	0°~107°(2.8mm); 0°~84°(3.6mm) 0°~57°(6mm)	0°~106°(2.8mm), 0°~85°(3.6mm)
Min. Illumination	0.007 Lux @ F1.4	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.0015 Lux @F1.0	0.004 Lux@F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.4 ft)	40m (131.2 ft)	40m (131.2 ft)	40m (131.2 ft)	30m (98.4 ft)
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.264/H.264H/H.264B/MJPEG	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	8MP (3840 × 2160)	5M (2592 × 1944)	4M (2688 × 1520)	1080P (1920 × 1080)	8MP (3840 × 2160)
Frame Rate	3840 × 2160 @ (1~20 fps by default) 3840 × 2160 @ (1~25/30 fps when AI function disabled)	2592 × 1944 @ 1-20 fps	2688 × 1520 @ 1-25/30 fps	1920 × 1080 @ 1~25/30 fps	3840 × 2160 @ 1 fps~30 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, P2P, Milestone
Audio In/Out	1/1, Built-in Mic, Built-in Speaker	1/1, Built-in Mic, Built-in Speaker	1/1, Built-in Mic, Built-in Speaker	1/1, Built-in Mic, Built-in Speaker	1/1, Built-in dual MICs, 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 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67
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)/ Less than 95% RH
Power	12V DC/POE (802.3af), Max. 9.7W	12V DC/POE (802.3af), Max. 8.8W	12V DC/POE (802.3af), Max. 8.8W	12V DC/POE (802.3af), Max. 8.5W	12V DC/POE (802.3af), Max. 11W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported

WizSense Series

	TiOC 2.0 Fixed-focal Bullet		TiOC Fixed-focal Eyeball		
Model	IPC-HFW3549T1-AS-PV-S3	IPC-HFW3449T1-AS-PV-S3	IPC-HDW3849H-AS-PV	IPC-HDW3549H-AS-PV	IPC-HDW3449H-AS-PV
Appearance	 TiOC 	 TiOC 	 TiOC 	 TiOC 	 TiOC 
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS
Focal Length	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)
FOV-H	0°~97°(2.8mm), 0°~78°(3.6mm)	0°~101°(2.8mm), 0°~82°(3.6mm)	0°~107°(2.8mm), 0°~89°(3.6mm)	0°~103°(2.8mm), 0°~81°(3.6mm)	0°~103°(2.8mm), 0°~81°(3.6mm)
Min. Illumination	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.007 Lux @ F1.4	0.003 Lux @ F1.0	0.003 Lux @ F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)
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.264/H.264H/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	5M (2592 × 1944)	4M (2688 × 1520)	8MP (3840 × 2160)	5M (2592 × 1944)	4M (2688 × 1520)
Frame Rate	2592 × 1944 @1-20 fps	2688 × 1520 @1-30 fps	3840 × 2160 @(1-20 fps by default) 3840 × 2160 @(1-25/30 fps when AI function disabled)	2592 × 1944 @1-20 fps	2688 × 1520 @1-25/30 fps
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360° Tilt:0°~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/Profile G/Profile T), CGI, P2P, Milestone	ONVIF (Profile S/Profile G/Profile T), CGI, P2P, Milestone	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P
Audio In/Out	1/1, Built-in Dual Mics, Built-in Speaker	1/1, Built-in Dual Mics, Built-in Speaker	1/1, Built-in Mic, Built-in Speaker	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 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40 °C~+60 °C (-40 °F to +140 °F)/ Less than 95% RH	-40 °C~+60 °C (-40 °F to +140 °F)/ Less than 95% RH	-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/POE (802.3af), Max. 9.7W	12V DC/POE (802.3af), Max. 9.7W	12V DC/POE (802.3af), Max. 8.2W	12V DC/POE (802.3af), Max. 8.0W	12V DC/POE (802.3af), Max. 8.0W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported

NETWORK CAMERAS

WizSense Series

	TiOC Fixed-focal Eyeball	TiOC 2.0 Fixed-focal Eyeball			4G Bullet
Model	IPC-HDW3249H-AS-PV	IPC-HDW3849H-AS-PV-S3	IPC-HDW3549H-AS-PV-S3	IPC-HDW3449H-AS-PV-S3	IPC-HFW3241DF-AS-4G
Appearance	 TiOC 	 TiOC 	 TiOC 	 TiOC 	 WizSense 
Image Sensor	1/2.8" 2MP CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.8mm fixed lens (3.6mm optional)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	0°~107°(2.8mm), 0°~84°(3.6mm)	0°~106°(2.8mm), 0°~85°(3.6mm)	0°~97°(2.8mm), 0°~78°(3.6mm)	0°~101°(2.8mm), 0°~82°(3.6mm)	0°~107°(2.8mm), 0°~88°(3.6mm) 0°~54°(6mm)
Min. Illumination	0.0015 Lux @F1.0	0.004 Lux @ F1.0	0.003 Lux @ F1.0	0.003 Lux @ F1.0	0.002 Lux@F1.6
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W	ICR
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)
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.264/H.264H/H.264B/MJPEG	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Supported	Supported	Supported	Supported	Supported
Max. Resolution	1080P (1920 × 1080)	8MP (3840 × 2160)	5M (2592 × 1944)	4M (2688 × 1520)	1080P (1920 × 1080)
Frame Rate	1920 × 1080 @1-25/30 fps	3840 × 2160 @ 1-30 fps	2592 × 1944 @1-20 fps	2688 × 1520 @1-30 fps	1920 x 1080@1-30 fps
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: -60°~0°; Rotation: 0°~360°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone	ONVIF (Profile S/Profile G/Profile T); CGI, P2P, Milestone
Audio In/Out	1/1, Built-in Mic, Built-in Speaker	1/1, Built-in dual Mics, Built-in Speaker	1/1, Built-in dual Mics, Built-in Speaker	1/1, Built-in dual Mics, Built-in Speaker	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 3V-5VDC 1 channel Out: 300mA 12VDC"	2 channel In: 5mA 3V-5VDC 2 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67
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)	-30°C~+60°C (-22°F ~ +140°F)
Power	12V DC/POE (802.3af), Max. 7.35W	12V DC/POE (802.3af), Max. 9.6W	12V DC/POE (802.3af), Max. 8.8W	12V DC/POE (802.3af), Max. 8.6W	12V DC, Basic: 3.3 W; Max. (WDR+H.265+IR+4G): 5.9W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)	Tripwire, Intrusion (Recognition of human and vehicle)
Intelligent Search	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos	Works with Smart NVR for refined intelligent search, event extraction and merging of event videos
SMD Plus	Supported	Supported	Supported	Supported	Supported



Lite Series Network Camera

Lite series network camera has efficient video encoding capacity with upgraded H.265 encoding technology, which saves bandwidth and storage space. This camera adopts the starlight technology and displays better color image even under low light condition.



Starlight

The Dahua Starlight technology provides clear and colorful videos of scenes with low illumination. It can guarantee good quality images even under ultra-low light condition.



WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in environments with strong brightness contrast. It can capture clear videos of bright and dark areas of a scene with high brightness or backlight shadow. All products in this series support WDR, except fixed 2230 series.



SD Card

This series offers SD card storage. With 256GB SD card, the Lite Series Network Cameras supports 24/7 continuous motion detection recording and remote DMSS app.



Smart H.265+ & Smart H.264+

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

NETWORK CAMERAS

Lite Series

Vari-focal Bullet

Model	IPC-HFW2831T-ZAS-S2	IPC-HFW2831T-ZS-S2	IPC-HFW2531T-ZAS-S2	IPC-HFW2531T-ZS-S2	IPC-HFW2431T-ZAS-S2	IPC-HFW2431T-ZS-S2	IPC-HFW2231T-ZAS-S2	IPC-HFW2231T-ZS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5
FOV-H	113°~31°	113°~31°	100°~26°	100°~26°	104°~27°	104°~27°	109°~28°	109°~28°
Min. Illumination	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (197ft)	60m (197ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2560x1440)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	15fps@8MP	15fps@8MP	20fps@5MP	20fps@5MP	25/30fps@4MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~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°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec
Audio In/Out	1/1	--	1/1	--	1/1	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 10W	DC12V,PoE Max. 10W	DC12V,PoE Max. 9.6W	DC12V,PoE Max. 9.6W	DC12V,PoE Max. 9.6W	DC12V,PoE Max. 9.6W

NETWORK CAMERAS

Lite Series

Vari-focal Dome

Model	IPC-HDBW2831R-ZAS-S2	IPC-HDBW2831R-ZS-S2	IPC-HDBW2531R-ZAS-S2	IPC-HDBW2531R-ZS-S2	IPC-HDBW2431R-ZAS-S2	IPC-HDBW2431R-ZS-S2	IPC-HDBW2231R-ZAS-S2	IPC-HDBW2231R-ZS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5
FOV-H	113°~31°	113°~31°	100°~26°	100°~26°	104°~27°	104°~27°	109°~28°	109°~28°
Min. Illumination	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.2 ft)	40m (131.2 ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2560x1440)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	15fps@8MP	15fps@8MP	20fps@5MP	20fps@5MP	25/30fps@4MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~67° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec
Audio In/Out	1/1	--	1/1	--	1/1	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5V DC 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 3V~5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V,PoE Max. 7.4W	DC12V,PoE Max. 7.4W	DC12V,PoE Max. 8W	DC12V,PoE Max. 7.9W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 6.4W




NETWORK CAMERAS

Lite Series

	Vari-focal Eyeball				Fixed-focal Bullet			
Model	IPC-HDW2831T-ZS-S2	IPC-HDW2531T-ZS-S2	IPC-HDW2431T-ZS-S2	IPC-HDW2231T-ZS-S2	IPC-HFW2831T-AS-S2	IPC-HFW2531T-AS-S2	IPC-HFW2431T-AS-S2	IPC-HFW2231T-AS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Starlight	 Starlight	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	3.6 mm/F2.0 6 mm/F2.0	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6
FOV-H	113°~31°	100°~26°	104°~27°	109°~28°	87°/54°	84°/51°/40°	84°/52°/40°	87°/54°/41°
Min. Illumination	0.008 Lux@F1.5	0.008 Lux@F1.5	0.008 Lux@F1.5	0.002 Lux@F1.5	0.009 Lux@F1.6	0.008 Lux@F1.6	0.008 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.2 ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	80m (262.5 ft)	80m (262.5 ft)	80m (262.5 ft)	80m (262.5 ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	--	--	--	--	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)	IP67, IK10 (optional)
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)	-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 Max. 7.6W	DC12V,PoE Max. 7.3W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 9.6W	DC12V,PoE Max. 9.6W

Lite Series

Fixed-focal Bullet

Model	IPC-HFW2831S-S-S2	IPC-HFW2531S-S-S2	IPC-HFW2431S-S-S2	IPC-HFW2231S-S-S2	IPC-HFW2230S-S-S2	IPC-HFW2231M-AS-I2-B-S2	IPC-HFW2239M-AS-LED-B-S2	IPC-HFW2439M-AS-LED-B-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Starlight	 Full-color	 Full-color
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	3.6 mm: F1.6 6 mm: F1.6	3.6 mm/F1.0 6 mm/F1.0	3.6 mm/F1.0 6 mm/F1.0
FOV-H	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	110°/ 91°	87°/ 54°	91°/55°	91°/55°
Min. Illumination	0.009 Lux@F2.0	0.008 Lux@F1.6	0.008 Lux@F1.6	0.002 Lux @F1.6	0.005 Lux@F1.6	0.002Lux@F1.6	0.0017 Lux@F1.0	0.004 Lux@F1.0
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	DWDR	120dB	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	50m (164 ft)	40m (131.2 ft)	40m (131.2 ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec	H.265; H.264; H.265B; MJPEG; Supported smart codec
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)	1080P(1920x1080)	1080P (1920x1080)	4MP (2560x1440)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP	25/30fps@2MP	25/30fps@2MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 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°	--	--	--
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P
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	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	2 channels in: 5mA 3V~5V DC 2 channels out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
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)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V,PoE Max. 5.5W	DC12V,PoE Max. 5.6W	DC12V,PoE Max. 5W	DC12V,PoE Max. 4.9W	DC12V,PoE Max. 4.6W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 10W	DC12V,PoE Max. 10.2W

NETWORK CAMERAS

Lite Series

	Fixed-focal Bullet		Fixed-focal Dome				
Model	IPC-HFW2239S-SA-LED-S2	IPC-HFW2439S-SA-LED-S2	IPC-HDBW2831E-S-S2	IPC-HDBW2531E-S-S2	IPC-HDBW2431E-S-S2	IPC-HDBW2231E-S-S2	IPC-HDBW2230E-S-S2
Appearance	 Full Color	 Full Color	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight
Image Sensor	1/2.8" 2MP CMOS	1/3" 4MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS
Focal Length	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.0 3.6 mm/F1.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6
FOV-H	107°/91°	96°/81°	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	110°/ 91°
Min. Illumination	0.0017 Lux@F1.0	0.004 Lux@F1.0	0.009 Lux@F2.0	0.008 Lux@F1.6	0.008 Lux@F1.6	0.002 Lux @F1.6	0.005 Lux @ F1.6
Day/Night	Color/B/W	Color/B/W	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	DWDR
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max. Resolution	1080P (1920x1080)	4MP (2560x1440)	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	25/30fps@2MP	25/30fps@4MP	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 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°~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°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Audio In/Out	Built-in Mic	Built-in Mic	--	--	--	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	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 to +60°C (-40°F to +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 Max. 6W	DC12V,PoE Max. 6.2W	DC12V,PoE Max. 6.2W	DC12V,PoE Max. 6.1W	DC12V,PoE Max. 5.2W	DC12V,PoE Max. 5.4W	DC12V,PoE Max. 5W





Lite Series

Fixed-focal Eyeball

Model	IPC-HDW2831TM-AS-S2	IPC-HDW2531TM-AS-S2	IPC-HDW2431TM-AS-S2	IPC-HDW2231TM-AS-S2	IPC-HDW2831T-AS-S2	IPC-HDW2531T-AS-S2	IPC-HDW2431T-AS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6
FOV-H	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	105°/ 87°	103°/ 84°	102°/ 84°
Min. Illumination	0.009 Lux@F2.0	0.008 Lux@F1.6	0.008 Lux@F1.6	0.002 Lux @F1.6	0.009 Lux@F2.0	0.008 Lux@F1.6	0.008 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max. Resolution	8MP (3840×2160)	5MP (2592×1944)	4MP (2560×1440)	1080P (1920×1080)	8MP (3840×2160)	5MP (2592×1944)	4MP (2560×1440)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	15fps@8MP	15fps@8MP	20fps@5MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~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°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec	ONVIF (Profile S/Profile G), CGI, Milestone, Genetec
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	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	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
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)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 6.6W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 6.6W

NETWORK CAMERAS

Lite Series

	Fixed-focal Eyeball				Wedge Dome	
Model	IPC-HDW2231T-AS-S2	IPC-HDW2230T-AS-S2	IPC-HDW2239T-AS-LED-S2	IPC-HDW2439T-AS-LED-S2	IPC-HDBW2231F-AS-S2	IPC-HDBW2431F-AS-S2
Appearance	 Starlight+	 Starlight	 Full-color	 Full-color	 Starlight+	 Starlight
Image Sensor	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.6 3.6 mm/F1.6	2.8 mm/F1.6 3.6 mm/F1.6
FOV-H	106°/ 87°	110°/ 91°	107°/91°	96°/81°	106°/87°	102°/84°
Min. Illumination	0.002 Lux @F1.6	0.005 Lux @ F1.6	0.0017 Lux@F1.0	0.004 Lux@F1.0	0.002 Lux@F1.6	0.008 Lux@F1.6
Day/Night	ICR	ICR	Color/B/W	Color/B/W	ICR	ICR
WDR	120dB	DWDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)
Video Compression	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec	H.265; H.264; H.265B; MJPEG; Supports smart codec
Max.. Resolution	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	4MP (2560x1440)	1080P (1920x1080)	4MP (2560x1440)
Frame Rate	25/30fps@2MP	25/30fps@2MP	25/30fps@2MP	25/30fps@4MP	25/30fps@2MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~355°; 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: -30°~30°;Tilt: 0°~80° Rotation: 0°~360°	Pan: -30°~30°;Tilt: 0°~80° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic; 1/1	Built-in Mic; 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 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	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)	-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 Max. 6.5W	DC12V,PoE Max. 5.9W	DC12V,PoE Max. 7.1W	DC12V,PoE Max. 7.4W	DC12V,PoE Max. 5.4W	DC12V,PoE Max. 5.4W

NETWORK PTZ CAMERAS





WizSense Series PTZ Camera

The WizSense Series PTZ Camera offers intelligent functions including Perimeter Protection, Video Metadata, and SMD Plus. Powered by deep-learning AI algorithms, it features Starlight and PFA technologies and provides significantly higher accuracy.



Face Detection

Supports detection, tracking, optimization and capturing, providing high-quality face images on videos.



SMD PLUS

With intelligent algorithm, the Dahua Smart Motion Detection technology categorizes targets that trigger the detection alarm, and filters alarms caused by non-target objects, realizing an effective and accurate alarm.



Perimeter Protection

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



Active Deterrence

Supports light alarm and voice alarm that can help warn off and deter intruders in time.

NETWORK PTZ CAMERAS


WizSense Series

IR PTZ Camera

Model	SD6CE445XA-HNR	SD6CE245XA-HNR	SD6C3425XB-HNR-A-PV1	SD5A825-HNR-YA	SD5A445XA-HNR	SD5A425XA-HNR
Appearance	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense 4K H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight
Image Sensor	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 2MP CMOS	1/2.8" 4MP CMOS	1/1.8" STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/1.8" 4MP CMOS
Lens	3.9 mm~177.7 mm (45x Optical zoom)	3.95 mm~177.7 mm (45x Optical zoom)	4.8 mm ~ 120 mm (25x Optical zoom)	5.4 mm~135 mm (25x Optical zoom)	3.9 mm~177.7mm (45x Optical zoom)	5.4 mm~135mm (25x Optical zoom)
FOV-H	70.3°~1.8°	65.7°~1.9°	55.8° ~ 2.9°	61.6°~3.6°	70.3°~1.8°	61.6°~3.6°
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux@F1.6 (Color) 0Lux@F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	250m (820 ft)	250m (820 ft)	150m (492.13 ft)	150m (492 ft)	150m (492 ft)	150m (492.13 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560×1440)	1080P (1920×1080)	4MP (2560×1440)	8MP (3840×2160)	4MP (2560×1440)	4MP (2560×1440)
Frame Rate	30fps@4MP	60fps@1080P	30fps@4MP	30fps@8MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 180°/s; Tilt: 75°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/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
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	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67	IP66	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	AC24V, PoE+(802.3at) Max. 26W	AC24V, POE+ (802.3at) Max. 26W	AC24V, POE+ (802.3at) Max. 23W	DC24V, PoE+ (802.3at) Max. 20W	DC24V, PoE+(802.3at) Max. 20W	DC24V,POE+(802.3at) Max.20W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects
SMD	Supported	Supported	--	--	Supported	Supported
Auto Tracking	Supported	Supported	--	Supported	Supported	Supported
Smart Capture	Supported	Supported	--	--	Supported	Supported
Face Detection	Supported	Supported	Supported	--	Supported	Supported

NETWORK PTZ CAMERAS





WizSense Series

	IR PTZ Camera			Vandal-proof PTZ Camera	
Model	SD5A432XA-HNR	SD5A232XA-HNR	SD5A225XA-HNR	SD50432XA-HNR	SD50232XA-HNR
Appearance	 Wiz Sense H.265+ Starlight	 Wiz Sense H.265+ Starlight	 Wiz Sense H.265+ Starlight	 Wiz Sense H.265+ Starlight	 Wiz Sense H.265+ Starlight
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	4.9 mm~156 mm (32x Optical zoom)	4.9 mm~156 mm (32x Optical zoom)	5.4 mm~135 mm (25x Optical zoom)	4.9 mm~156 mm (32x Optical zoom)	4.9 mm~156 mm (32x Optical zoom)
FOV-H	61.6°~2.1°	62.8°~2.2°	58.7°~3.1°	61.6°~2.1°	62.8°~2.2°
Min. Illumination	0.005Lux@F1.35 (Color) 0Lux@F1.35 (IR on)	0.005Lux@F1.35 (Color) 0Lux@F1.35 (IR on)	0.005Lux@F1.6 (Color) 0Lux@F1.6 (IR on)	0.005Lux@F1.35 (Color) 0.0005Lux@F1.35 (B/W)	0.005Lux@F1.35 (Color) 0.0005Lux@F1.35 (B/W)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	150m (492 ft)	150m (492 ft)	150m (492 ft)	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)	4MP (2560x1440)	1080P (1920x1080)
Frame Rate	30fps@4MP	60fps@1080P	60fps@1080P	30fps@4MP	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°
Preset Speed	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 400°/s; Tilt: 300°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/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
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	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC24V, PoE+ (802.3at) Max. 20W	DC24V, PoE+ (802.3at) Max. 20W	DC24V, PoE+ (802.3at) Max. 20W	DC24V, PoE+ (802.3at) Max. 16W	DC24V, PoE+ (802.3at) Max. 16W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects
SMD	Supported	Supported	Supported	Supported	Supported
Auto Tracking	Supported	Supported	Supported	Supported	Supported
Smart Capture	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported

NETWORK PTZ CAMERAS

NETWORK PTZ CAMERAS

WizSense Series

	In-ceiling PTZ Camera		IR PTZ Camera		4G PTZ Camera
Model	SD52C432XA-HNR	SD52C232XA-HNR	SD49425XB-HNR	SD49225XA-HNR-S2	SD49425XB-HNR-G
Appearance	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight	 WizSense H.265+ Starlight
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	4.9 mm~156 mm (32x Optical zoom)	4.9 mm ~ 156 mm (32x Optical zoom)	4.8 mm~120 mm (25x Optical zoom)	4.8 mm~120 mm (25x Optical zoom)	4.8 mm~120 mm (25x Optical zoom)
FOV-H	61.6°~2.1°	62.8°~2.2°	60.0°~2.5°	62.8°~2.6°	60.0°~2.5°
Min. Illumination	0.005Lux@F1.35 (Color) 0.0005Lux@F1.35 (B/W)	0.005Lux@F1.35 (Color) 0.0005Lux@F1.35 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	--	100m (328.08 ft)	100m (328.08 ft)	100m (328.08 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560x1440)	1080P (1920x1080)	4MP (2560x1440)	1080P (1920x1080)	4MP (2560x1440)
Frame Rate	30fps@4MP	60fps@1080P	30fps@4MP	60fps@1080P	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0°~360° endless Tilt: -15°~90°
Preset Speed	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/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; 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
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	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IK10	IK10	IP66	IP66	IP66
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°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	DC24V, PoE+ (802.3at) Max. 16W	DC24V, PoE+ (802.3at) Max. 16W	DC12V, POE+ (802.3at) Max. 21W	DC12V, POE+ (802.3at) Max. 23W	DC12V, POE+ (802.3at) Max. 21W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects
SMD	Supported	Supported	Supported	Supported	Supported
Auto Tracking	Supported	Supported	--	--	--
Smart Capture	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported

NETWORK PTZ CAMERAS

WizSense Series

	Active Deterrence Camera			Full-color Camera	Mini IR PTZ Camera	IR Positioning System
Model	SD3A205-GNP-PV	SD3A200-GNP-PV	SD3A200-GNP-W-PV	SD3A400N-GNP-B-PV	SD1A404XB-GNR	PTZ1A225XA-HNR
Appearance						
Image Sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 4MP CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7mm~13.5mm	4mm	4mm	4mm	2.8 mm~12 mm (4x Optical zoom)	4.8 mm~120 mm (25x Optical zoom)
FOV-H	101.6°~33.5°	86.8°	86.8°	86.8°	31.6°~96.9°	62.8°~2.6°
Min. Illumination	0.002Lux/F1.8 (Color) 0Lux/F1.8 (IR on)	0.002Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.002Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.0 (Color) 0Lux/F1.0 (IR on)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on) 120dB
WDR	DWDR	DWDR	DWDR	DWDR	120dB	120dB
Max. IR Distance	30m (98 ft)	30m (98 ft)	30m (98 ft)	30m (98 ft)	15m (49.21 ft)	150m (492.13ft)
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	2MP (1920×1080)	2MP (1920×1080)	2MP (1920×1080)	4MP (2560×1440)	4MP (2560×1440)	1080P (1920×1080)
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P	30fps@4MP	30fps@4MP	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 355° Tilt: -15° ~ 90°	Pan: 0° ~ 355° Tilt: -15° ~ 90°	Pan: 0° ~ 355° Tilt: -15° ~ 90°	Pan: 0° ~ 355° Tilt: -15° ~ 90°	Pan: 0°~355° Tilt: 5°~90°	Pan: 0°~360° endless Tilt: -90°~90° (Effective angle: -51°~+90°)
Preset Speed	Pan: 81°/s; Tilt: 43°/s	Pan: 81°/s; Tilt: 43°/s	Pan: 81°/s; Tilt: 43°/s	Pan: 81°/s; Tilt: 43°/s	Pan: 80°/s; Tilt: 40°/s	Pan: 180° /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
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
Ingress Protection	IP66	IP66	IP66	IP66	IP66, IK08	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC12V, PoE (802.3af), Max. 8.5W	DC12V, PoE (802.3af), Max. 8.5W	DC12V, Max. 8.5W	DC12V, PoE (802.3af), Max. 8.5W	DC12V, POE (802.3af) Max. 8.5W	AC12V, POE+ (802.3at) Max. 23W
Artificial Intelligence						
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle Classification), Abandoned/Missing Objects
SMD	Supported	Supported	Supported	Supported	Supported	Supported
Auto Tracking	--	--	--	--	--	Supported
Smart Capture	--	--	--	--	Supported	Supported
Face Detection	--	--	--	--	Supported	Supported

NETWORK PTZ CAMERAS

Pro Series PTZ Camera

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



Rich Choices

Wide range of housings and models to suit all requirements.



Optimized Image

High quality images using Starlight technology.



PFA

Improves focusing performance to a new level.



Powerful Protection

IP67 & IK10 ratings ensure cameras can withstand tough conditions.

NETWORK PTZ CAMERAS

Pro Series

	IR PTZ Camera		PTZ Camera		
Model	SD6CE230U-HNI	SD6CE225U-HNI	SD60430U-HNI	SD60230U-HNI	SD60225U-HNI
Appearance	 	 	 	 	 
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)
FOV-H	67.8°~2.4°	62.8°~2.6°	60°~2.2°	67.8°~2.4°	62.8°~2.6°
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6 (Color) 0.005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	250m (820 ft)	250m (820 ft)	--	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920x1080)	1080P (1920x1080)	4MP (2592x1520)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	60fp@1080P	60fp@1080P	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	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°
Preset Speed	Pan: 300°/s; Tilt: 200°/s	Pan: 300°/s; Tilt: 200°/s	Pan: 600°/s; Tilt: 500°/s	Pan: 600°/s; Tilt: 500°/s	Pan: 600°/s; Tilt: 500°/s
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, 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
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	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~-70°C (-40°F~+158°F)	-40°C~-70°C (-40°F~+158°F)	-40°C~-70°C (-40°F~+158°F)	-40°C~-70°C (-40°F~+158°F)	-40°C~-70°C (-40°F~+158°F)
Power	AC24V, PoE+ (802.3at) Max. 25W	AC24V, PoE+ (802.3at) Max. 25W	AC24V, PoE+ (802.3at) Max. 20W	AC24V, PoE+ (802.3at) Max. 20W	AC24V, PoE+ (802.3at) Max. 20W

NETWORK PTZ CAMERAS

Pro Series

	Vandal-proof PTZ Camera	In-ceiling PTZ Camera			Zoom Camera
Model	SD50225U-HNI	SD52C430U-HNI	SD52C230U-HNI	SD52C225U-HNI	SDZ2030S-N
Appearance	 	 	 	 	 
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	62.8°~2.6°	60°~2.2°	67.8°~2.4°	62.8°~2.6°	67.8°~2.4°
Min. Illumination	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color) 0.005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	--	--	--	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920x1080)	4MP (2592x1520)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	60fps@1080P	30fps@4MP/3MP 60fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	Pan: 0°~360° endless Tilt: 0°~90°	--
Preset Speed	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 500°/s; Tilt: 500°/s	--
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, 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
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	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP66; IK10	IK10	IK10	IK10	--
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC24V, PoE+ (802.3at) Max. 23W	DC24V, PoE+ (802.3at) Max. 13W	DC24V, PoE+ (802.3at) Max. 13W	DC24V, PoE+ (802.3at) Max. 13W	DC12V, PoE (802.3af) Max. 10W

Lite Series PTZ Camera

The Lite Series PTZ offers a cost/performance solution suitable for a wide range of applications. Its compact design based on Dahua quality standards and assurance enables the products in the entire series to meet customer's requirements.



Mini IR PTZ

Pan, tilt, zoom and IR functions in compact housing.



Advanced Intelligence

Intelligent IVS and Face Detection ensure efficient surveillance.



Powerful Zoom

It can cover large areas with up to 25x optical zoom capability.








Cost-effective

Performance and quality are combined at an affordable price.

NETWORK PTZ CAMERAS

Lite Series

	IR PTZ Camera	Vandal-proof PTZ Camera		In-ceiling PTZ Camera	Mini PTZ Camera		
Model	SD49216UE-HN	SD40212T-HN (-S2)	SD42212T-HN (-S2)	SD42C212T-HN (-S2)	SD29204UE-GN	SD22404T-GN	SD22204UE-GN
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight red dot award 2015 winner	 H.265+ Starlight	 H.265+ Starlight	 H.265	 H.265+ Starlight
Image Sensor	1/2.8" 2MP 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	1/3" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	5~80mm (16x Optical zoom)	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)	2.7~11mm (4x Optical zoom)	2.7~11mm (4x Optical zoom)	2.7~11mm (4x Optical zoom)
FOV-H	57.7°~4.5°	58.2°~4.8°	58.2°~4.8°	58.2°~4.8°	112.5°~30°	112.5°~30°	112.5°~30°
Min. Illumination	0.005Lux/F1.5 (Color) 0Lux/F1.5 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	DWDR	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	100m (328 ft)	--	--	--	30m (98 ft)	--	--
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	4MP (2592x1520)	1080P (1920x1080)
Frame Rate	30fps@1080P	30fp@1080P	30fp@1080P	30fp@1080P	30fps@1080P	30fps@4MP/3MP	30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -15°~90°	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° endless Tilt: -2°~90°	Pan: 0°~360° limited Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°	Pan: 0°~355° Tilt: 0°~90°
Preset Speed	Pan: 240°/s, Tilt: 200°/s	Pan: 300°/s, Tilt: 200°/s	Pan: 300°/s, Tilt: 200°/s	Pan: 300°/s, Tilt: 200°/s	Pan: 100°/s, Tilt: 60°/s	Pan: 100°/s, Tilt: 60°/s	Pan: 100°/s, Tilt: 60°/s
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/Missing Objects, 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	ONVIF Profile S, G & T; API
Audio In/Out	1/1	1/1	1/1	1/1	Built-in Mic	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 128GB
Alarm In/Out	2/1	2/1	2/1	2/1	--	--	--
Ingress Protection	IP66	IP66, IK10	IP66, IK10	IK10	--	IP66, IK10	IP66, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	DC12V, PoE+ (802.3at) Max. 17W	AC24V, PoE+ (802.3at) Max. 22W	AC24V, PoE+ (802.3at) Max. 12W	AC24V, PoE+ (802.3at) Max. 12W	DC12V, PoE (802.3af) Max. 13W	DC12V, PoE (802.3af) Max. 10W	DC12V, PoE (802.3af) Max. 10W

NETWORK PTZ CAMERAS

Lite Series

Mini IR PTZ Camera

Model	SD2A500-GN-A-PV	SD2A200-GN-A-PV	SD1A203T-GN	SD1A203T-GN-W	PTZ1C203UE-GN	PTZ1C203UE-GN-W
Appearance	 H.265+	 H.265+	 H.265+ Starlight	 Wi-Fi H.265+ Starlight	 H.265+ Starlight	 Wi-Fi H.265+ Starlight
Image Sensor	1/2.8" 5MP CMOS	1/2.8" 2MP 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	4mm	4mm	2.7~8.1mm (3x optical zoom)	2.7~8.1mm (3x optical zoom)	2.7~8.1mm (3x Optical zoom)	2.7~8.1mm (3x Optical zoom)
FOV-H	80.4°	86.8°	105.6°~35.2°	105.6°~35.2°	105.6°~35.2°	105.6°~35.2°
Min. Illumination	0.05Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.05Lux/F2.0 (Color) 0Lux/F2.0 (IR on)	0.05Lux/F2.0 (Color) 0Lux/F2.0 (IR on)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR on)	0.005Lux/F1.6 (Color) 0Lux@F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux@F1.6 (IR on)
WDR	DWDR	DWDR	120dB	120dB	120dB	120dB
Max. IR Distance	25m (82ft)	25m (82ft)	15m (49ft)	15m (49ft)	20m (65.6ft)	20m (65.6ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	5MP (2560×1920)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	20fps@5MP	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	2 streams	2 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 345°, Tilt: 0° ~ 80°	Pan: 0° ~ 345°, Tilt: 0° ~ 80°	Pan: 0°~355°, Tilt: 5°~90°	Pan: 0°~355°, Tilt: 5°~90°	Pan: 0°~180°, Tilt:-5°~55°	Pan: 0°~180°, Tilt:-5°~55°
Preset Speed	Pan: 62°/s; Tilt: 36°/s	Pan: 62°/s; Tilt: 36°/s	Pan: 80° /s; Tilt: 40° /s	Pan: 80° /s; Tilt: 40° /s	--	--
Intelligent Video	Tripwire, Intrusion, Abandoned/ Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/ Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/ Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/ Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/ Missing Objects, Face Detection	Tripwire, Intrusion, Abandoned/ Missing Objects, 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 (Mic in/Line in)/1	1 (Mic in/Line in)/1	1 (Mic in/Line in)/1	1 (Mic in/Line in)/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--
Ingress Protection	--	--	IP66, IK10	IP66, IK10	IP66	IP66
Working Temperature	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C, (-22°F~+140°F)
Power	DC12V, POE+ (802.3af) Max. 13W	DC12V, POE+ (802.3af) Max. 13W	DC12V, PoE (802.3af) Max. 10.5W	DC12V, Max. 10.5W	DC12V, PoE(802.3af) Max. 11W	DC12V, Max. 11W
Artificial Intelligence						
Perimeter Protection	Supported	--	--	--	--	--
SMD	--	--	--	--	--	--
Auto Tracking	--	--	--	--	--	--
Smart Capture	--	--	--	--	--	--
Face Detection	--	--	--	--	--	--

NETWORK VIDEO RECORDERS





WizSense Series NVR

WizSense NVR are entry-level AI products with reasonable prices and easy configuration, allowing them to meet the needs of ordinary customers. It is an ideal choice for SMB solution. Featuring SMD Plus, Perimeter Protection and Face Recognition, this series provides potential risk prevention and real-time alarm.



SMD PLUS

With intelligent algorithm, the Dahua Smart Motion Detection technology categorizes targets that trigger the detection alarm, and filters alarms caused by non-target objects, realizing an effective and accurate alarm.



Perimeter Protection

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



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.



Rich Features

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

NETWORK VIDEO RECORDERS

WizSense Series





WizSense Series

Model	NVR4832-4KS2/I	NVR4832-16P-4KS2/I	NVR4816-4KS2/I	NVR4816-16P-4KS2/I	NVR4432-4KS2/I
Appearance					
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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
IP Video Inputs	32 channels	32 channels	16 channels	16 channels	32 channels
Max Input/Record	256Mbps/256Mbps	256Mbps/256Mbps	256Mbps/256Mbps	256Mbps/256Mbps	256Mbps/256Mbps
Max Decoding	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	8x10TB	8x10TB	8x10TB	8x10TB	4x10TB
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
Alarm In/Out	16/6	16/6	16/6	16/6	16/6
Ethernet	2 Gigabit Ports	1 Gigabit Port	2 Gigabit Ports	1 Gigabit Port	2 Gigabit Ports
PoE	--	16 Ports (IEEE802.3at/af), Max 130W	--	16 Ports (IEEE802.3at/af), Max 130W	--
USB	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 1 USB2.0
Power	AC100V ~ 240V ≤8W (Without HDD)	AC100V ~ 240V ≤10W (Without HDD)	AC100V ~ 240V ≤8W (Without HDD)	AC100V ~ 240V ≤10W (Without HDD)	AC100V ~ 240V ≤8W (Without HDD)
Star Features	P2P	Plug & Play, P2P	P2P	Plug & Play, P2P	P2P
Artificial Intelligence by Device					
Perimeter Protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection
Face Recognition	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total
SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Detection	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

NETWORK VIDEO RECORDERS

WizSense Series

WizSense Series

Model	NVR4432-16P-4KS2/I	NVR4416-4KS2/I	NVR4416-16P-4KS2/I	NVR2216-16P-I	NVR2216-I
Appearance					
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Multi-core embedded processor	Multi-core embedded processor
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
IP Video Inputs	32 channels	16 channels	16 channels	16 channels	16 channels
Max Input/Record	256Mbps/256Mbps	256Mbps/256Mbps	256Mbps/256Mbps	200Mbps/200Mbps	200Mbps/200Mbps
Max Decoding	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P	2ch@4K/10ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	4x10TB	4x10TB	4x10TB	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
Alarm In/Out	16/6	16/6	16/6	4/2	--
Ethernet	1 Gigabit Port	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	16 Ports (IEEE802.3at/af), Max 130W	--	16 Ports (IEEE802.3at/af), Max 130W	16 Ports (IEEE802.3at/af), Max 130W	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
Power	AC100V ~ 240V ≤10W (Without HDD)	AC100V ~ 240V ≤8W (Without HDD)	AC100V ~ 240V ≤10W (Without HDD)	AC100V ~ 240V, 47-63HZ, 3.5A <10W (Without HDD)	DC12V/4A ≤ 10W (Without HDD)
Star Features	Plug & Play, P2P	P2P	Plug & Play, P2P	Plug & Play, P2P	P2P
Artificial Intelligence by Device					
Perimeter Protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection
Face Recognition	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	Up to 1 channel of face recognition (normal camera); up to 4 channels of face recognition (FD camera); 10 face databases with up to 20,000 face images in total	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total
SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	--	--
Heat Map	Supported	Supported	Supported	--	--
ANPR	Supported	Supported	Supported	--	--

NETWORK VIDEO RECORDERS

WizSense Series

WizSense Series

Model	NVR2208-8P-I	NVR2208-I	NVR2204-P-I	NVR2204-I
Appearance				
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/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
IP Video Inputs	8 channels	8 channels	4 channels	4 channels
Max Input/Record	200Mbps/200Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	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
Alarm In/Out	--	--	--	--
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	8 Ports (IEEE802.3at/af), Max 80W	--	1 Ports (IEEE802.3at/af), Max 60W	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC54V/2.22A ≤ 10W (Without HDD)	DC12V/4A ≤ 10W (Without HDD)	DC53V/1.8A ≤ 10W (Without HDD)	DC12V/4A ≤ 10W (Without HDD)
Star Features	Plug & Play, P2P	P2P	Plug & Play, P2P	P2P
Artificial Intelligence by Device				
Perimeter Protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection
Face Recognition	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total
SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus
Image search	Search by face images	Search by face images	Search by face images	Search by face images
Artificial Intelligence by Camera				
Perimeter Protection	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported
People Counting	--	--	--	--
Heat Map	--	--	--	--
ANPR	--	--	--	--

NETWORK VIDEO RECORDERS

WizSense Series




WizSense Series

Model	NVR2116HS-I	NVR2108HS-8P-I	NVR2108HS-I	NVR2104HS-P-I	NVR2104HS-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/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
IP Video Inputs	16 channels	8 channels	8 channels	4 channels	4 channels
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB
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
Alarm In/Out	--	--	--	--	--
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	8 Ports (IEEE802.3at/af) Max 72W	--	4 Ports (IEEE802.3at/af) Max 38W	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/1.5A ≤ 10W (Without HDD)	DC53V/1.8A ≤ 10W (Without HDD)	DC12V/1.5A ≤ 10W (Without HDD)	DC53V/1.13A ≤ 10W (Without HDD)	DC12V/1.5A ≤ 10W (Without HDD)
Star Features	P2P	Plug & Play, P2P	P2P	Plug & Play, P2P	P2P
Artificial Intelligence by Device					
Perimeter Protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection
Face Recognition	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total	up to 4 channels face recognition with FD camera; up to 1 channel face recognition with normal camera; 10 face databases with up to 5,000 face images in total
SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported
People Counting	--	--	--	--	--
Heat Map	--	--	--	--	--
ANPR	--	--	--	--	--

NETWORK VIDEO RECORDERS

WizSense Series

WizSense Series

Model	NVR2116-I	NVR2108-8P-I	NVR2108-I	NVR2104-P-I	NVR2104-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/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
IP Video Inputs	16 channels	8 channels	8 channels	4 channels	4 channels
Max Input/Record	200Mbps/200Mbps	200Mbps/200Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P	1ch@4K/6ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB
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
Alarm In/Out	--	--	--	--	--
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port
PoE	--	8 Ports (IEEE802.3at/af) Max72W	--	4 Ports (IEEE802.3at/af) Max 38W	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/1.5A ≤ 10W (Without HDD)	DC53V/1.8A <10W (Without HDD)	DC12V/1.5A ≤ 10W (Without HDD)	DC53V/1.13A <10W (Without HDD)	DC12V/1.5A ≤ 10W (Without HDD)
Star Features	P2P	Plug & Play, P2P	P2P	Plug & Play, P2P	P2P
Artificial Intelligence by Device					
Perimeter Protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection	Up to 2 channels of perimeter protection
Face Recognition	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total	Up to 4 channels of face recognition (normal camera); up to 1 channel of face recognition (FD camera); 10 face databases with up to 5,000 face images in total
SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus	Up to 4 channels of SMD Plus
Image search	Search by face images	Search by face images	Search by face images	Search by face images	Search by face images
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
SMD Plus	Supported	Supported	Supported	Supported	Supported
People Counting	--	--	--	--	--
Heat Map	--	--	--	--	--
ANPR	--	--	--	--	--



Lite Series NVR

The Lite Series NVR is designed with high cost/performance ratio as well as Dahua's excellent quality. It supports innovative H.265+ encoding and energy-saving techniques to help save costs. The NVR can serve as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.



Smart H.265+ & Smart H.264+

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



UI 4.0

Adopts new UI 4.0 style which is more consistent with users' habits. Functional modules are divided properly to make them clearer and easier to understand.



Easy Setup

Plug & Play installation, P2P, and smart app for carefree surveillance.













More Features

Offers AI by camera features including Perimeter Protection, People Counting and Heat Map.

NETWORK VIDEO RECORDERS

Lite Series

2HDD Lite 4K & H.265 NVR

Model	NVR4232-4KS2/L	NVR4216-4KS2/L	NVR4208-4KS2/L	NVR4204-4KS2/L	NVR4216-16P-4KS2/L
Appearance	 	 	 	 	 
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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
IP Video Inputs	32 channels	16 channels	8 channels	4 channels	16 channels
Max Input/Record	160Mbps/128Mbps	160Mbps/160Mbps	160Mbps/160Mbps	160Mbps/160Mbps	160Mbps/160Mbps
Max Decoding	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	2×10TB	2×10TB	2×10TB	2×10TB	2×10TB
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
Alarm In/Out	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
PoE	--	--	--	--	16 Ports (IEEE802.3at/af), Max 130W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/4A <5.6W (Without HDD)	DC12V/4A <10W (Without HDD)	DC12V/4A <10W (Without HDD)	DC12V/4A <10W (Without HDD)	AC100V~240V <10W (Without HDD)
Star Features	P2P	P2P	P2P	P2P	Plug & Play, P2P
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	--	--
Metadata	--	--	--	--	--
SMD Plus	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--	--
ANPR	--	--	--	--	--

NETWORK VIDEO RECORDERS






Lite Series

	2HDD Lite 4K & H.265 NVR			1HDD Compact 1U Lite 4K&H.265 NVR	
Model	NVR4216-16P-4KS2/L	NVR4208-8P-4KS2/L	NVR4204-P-4KS2/L	NVR4116HS-4KS2/L	NVR4108HS-4KS2/L
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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
IP Video Inputs	16 channels	8 channels	4 channels	16 channels	8 channels
Max Input/Record	160Mbps/160Mbps	160Mbps/160Mbps	160Mbps/160Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	2x10TB	2x10TB	2x10TB	1x10TB	1x10TB
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
Alarm In/Out	4/2	4/2	4/2	--	--
Ethernet	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1 Gigabit Port	1x100M Port
PoE	16 Ports (IEEE802.3at/af) Max 130W	8 Ports (IEEE802.3at/af) Max 117W	4 Ports (IEEE802.3at/af) Max 36W	--	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	AC100V~240V <10W (Without HDD)	AC100V~240V <10W (Without HDD)	DC48V/1.5A <10W (Without HDD)	DC12V/2A <10W (Without HDD)	DC12V/2A <10W (Without HDD)
Star Features	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P	P2P	P2P
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	--	--
Metadata	--	--	--	--	--
SMD Plus	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--	--
ANPR	--	--	--	--	--

NETWORK VIDEO RECORDERS

Lite Series








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

Model	NVR4104HS-4KS2/L	NVR4116HS-8P-4KS2/L	NVR4108HS-8P-4KS2/L	NVR4108HS-P-4KS2/L	NVR4104HS-P-4KS2/L
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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
IP Video Inputs	4 channels	16 channels	8 channels	8 channels	4 channels
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB
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
Alarm In/Out	--	--	--	--	--
Ethernet	1x100M Port	1 Gigabit Port	1x100M Port	1x100M Port	1x100M Port
PoE	--	8 Ports (IEEE802.3at/af) Max 72W	8 Ports (IEEE802.3at/af) Max 72W	4 Ports (IEEE802.3at/af) Max 36W	4 Ports (IEEE802.3at/af) Max 36W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/2A <10W (Without HDD)	DC48V/2A <10W (Without HDD)	DC48V/2A <10W (Without HDD)	DC48V/1.25A <10W (Without HDD)	DC48V/1.25A <10W (Without HDD)
Star Features	P2P	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence by Camera					
Perimeter Protection	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	--	--
Metadata	--	--	--	--	--
SMD Plus	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--	--
ANPR	--	--	--	--	--

NETWORK VIDEO RECORDERS

Lite Series



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

Model	NVR4116-4KS2/L	NVR4108-4KS2/L	NVR4104-4KS2/L	NVR4116-8P-4KS2/L	NVR4108-8P-4KS2/L	NVR4108-P-4KS2/L	NVR4104-P-4KS2/L
Appearance	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
IP Video Inputs	16 channels	8 channels	4 channels	16 channels	8 channels	8 channels	4 channels
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P	2ch@4K/8ch@1080P
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB
RAID	--	--	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	--	--	--	--	--	--	--
Ethernet	1 Gigabit Port	1x100M Port	1x100M Port	1 Gigabit Port	1x100M Port	1x100M Port	1x100M Port
PoE	--	--	--	8 Ports (IEEE802.3at/af) Max 72W	8 Ports (IEEE802.3at/af) Max 72W	4 Ports (IEEE802.3at/af) Max 36W	4 Ports (IEEE802.3at/af) Max 36W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/2A <10W (Without HDD)	DC12V/2A <10W (Without HDD)	DC12V/2A <10W (Without HDD)	DC48V/2A <10W (Without HDD)	DC48V/2A <10W (Without HDD)	DC48V/1.25A <10W (Without HDD)	DC48V/1.25A <10W (Without HDD)
Star Features	P2P	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence by Camera							
Perimeter Protection	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	--	--	--	--
Metadata	--	--	--	--	--	--	--
SMD Plus	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported	Supported
People Counting	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Heat Map	--	--	--	--	--	--	--
ANPR	--	--	--	--	--	--	--

NETWORK VIDEO RECORDERS

Lite Series

1HDD Lite 4K & H.265 NVR

Model	NVR1108HS-S3/H	NVR1104HS-S3/H	NVR1108HS-8P-S3/H	NVR1104HS-P-S3/H
Appearance	 H.265+	 H.265+	 H.265+	 H.265+
Processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor	Industrial-grade embedded processor
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
IP Video Inputs	8 channels	4 channels	8 channels	4 channels
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@4K/4ch@1080p	1ch@4K/4ch@1080p	1ch@4K/4ch@1080p	1ch@4K/4ch@1080p
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max HDD	1×8TB	1×8TB	1×8TB	1×8TB
RAID	--	--	--	--
eSATA/Mini SAS	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	--	--	--	--
Ethernet	1×100M Port	1×100M Port	1×1000M Port	1×100M Port
PoE	--	--	8 Ports (IEEE802.3at/af) Max 72W	4 Ports (IEEE802.3at/af) Max 36W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/1.5A <10W (Without HDD)	DC12V/1.5A <10W (Without HDD)	DC48V/2A <10W (Without HDD)	DC48V/1.25A <10W (Without HDD)
Star Features	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P
Artificial Intelligence by Camera				
Perimeter Protection	--	--	--	--
Face Recognition	--	--	--	--
Metadata	--	--	--	--
SMD Plus	--	--	--	--
Face Detection	--	--	--	--
People Counting	--	--	--	--
Heat Map	--	--	--	--
ANPR	--	--	--	--

NETWORK THERMAL CAMERAS





Security

Dahua adopts clearer and more cost-effective sensors and AI technology to provide all-weather monitoring, as well as timely and accurate alarms in order to protect the safety of SMB users' property.



Perimeter Protection

With the simple background of a thermal image and built-in AI algorithm, it supports classification of human and vehicle that significantly improves alarm accuracy.



Advance Fire Detection

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



Excellent Environmental Adaptability

The Dahua thermal camera can penetrate through fog and haze, allowing it to capture clear images in any light conditions, whether it's day or night.







Smoking Detection

The dual-channel detection algorithm can effectively identify smoking behavior in the image.

NETWORK THERMAL CAMERAS

Security

	Model	DH-TPC-SD2221	DH-TPC-BF2221	DH-TPC-BF1241	DH-TPC-DF1241
Appearance					
Thermal	Image sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	256 (H) × 192 (V)	256 (H) × 192 (V)	256 (H) × 192 (V)	256 (H) × 192 (V)
	Sensitivity	≤50mK	≤50mK	≤50mK	≤50mK
	Lens	3.5mm/7mm	3.5mm/7mm	3.5mm/7mm/10mm	2mm/3.5mm/7mm
	FOV-H	H: 50.6°/24°	H: 50.6°/24°	H: 50.6°/24°/17.3°	H: 87.8°/50.6°/24°
Visible	Image sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.7" 4M CMOS	1/2.7" 4M CMOS
	Lens	4mm/8mm	4mm/8mm	4mm/8mm/12mm	2mm/4mm/8mm
	FOV-H	H: 84°/40°	H: 84°/40°	H: 84°/40°/22°	H: 94°/84°/40°
	Min. Illumination	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)	0.05Lux (Color) 0.005Lux (B/W) 0Lux (IR On)	0.05Lux (Color) 0.005Lux (B/W) 0Lux (IR On)
	IR Distance	35m/50m	35m/50m	30m	30m
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG	H.265/H.264M/H.264H/H.264B/MJPEG
	Frame Rate	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 2336*1752/1080P/720P/D1/CIF @25/30fps	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 2336*1752/1080P/720P/D1/CIF @25/30fps
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -15° ~ 90°	--	--	--
	Intelligent Video	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing
	Compatibility	ONVIF Profile S & G; API	ONVIF Profile S & G; API	ONVIF Profile S & G, CGI	ONVIF Profile S & G, CGI
	Ingress Protection	IP66	IP67	IP67	IP67
	Working Temperature	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
	Power	DC12V/PoE+, <24W	DC12V/PoE/ePoE, <12W	DC12V/PoE, <13W	DC12V/PoE, <13W

NETWORK THERMAL CAMERAS

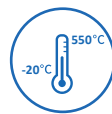
Thermography

Designed for industrial temperature measurement, it is equipped with highly efficient sensors and industry-leading high-precision temperature measurement algorithm. It supports flexible temperature measurement rule setting to help users monitor the status of the equipment in real time.



Flexible Rules

Supports point, line, and area temperature measurement rule setting and displays the highest, lowest or average temperature. It also supports up to 12 rules simultaneously in one scene.



High Accuracy

Wide temperature measurement range from -20°C to 550°C , with high accuracy up to $\pm 5^{\circ}\text{C}$ or $\pm 5\%$ (whichever is greater).





Real-time Alarm

Online, long distance, and non-contact 24/7 temperature measurement, with millisecond response speed.

NETWORK THERMAL CAMERAS

Thermography

	Model	DH-TPC-SD2221-T	DH-TPC-BF2221-T
Appearance			
Thermal	Image sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	256 (H) × 192 (V)	256 (H) × 192 (V)
	Sensitivity	≤50mK	≤50mK
	Lens	3.5mm/7mm	3.5mm/7mm
	FOV-H	H: 50.6°/24°	H: 50.6°/24°
	Temperature Range & Accuracy	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±5°C, ±5%) Operating temperature: -10°C ~ +50°C	Low temperature mode: -20°C ~ +150°C High temperature mode: 0°C ~ +550°C Max (±5°C, ±5%) Operating temperature: -10°C ~ +50°C
Measurement Rule	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	Spot: 12 Line: 12 Area: 12 Supports 12 rules simultaneously	
Temperature Alarm	Supported	Supported	
Visible	Image sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS
	Lens	4mm/8mm	4mm/8mm
	FOV-H	H: 84°/40°	H: 84°/40°
	Min. Illumination	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)	0.005Lux (Color) 0.0005Lux (B/W) 0Lux (IR On)
	IR Distance	35m/50m	35m/50m
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	
Frame Rate	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps	Thermal: 1280*960/XVGA/VGA/256*192 @25/30fps Visible: 1080P/720P/D1/CIF @25/30fps	
Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -15° ~ 90°	--	
General	Intelligent Video	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing	IVS, Human/Vehicle Classification, Fire Detection & Alarm, Cold/Hot Spot Tracing
Compatibility	ONVIF Profile S & G; API	ONVIF Profile S & G; API	
Ingress Protection	IP66	IP67	
Working Temperature	-30°C ~ +60°C	-30°C ~ +60°C	
Power	DC12V/PoE+, <24W	DC12V/PoE/ePoE, <12W	

TRANSMISSION





Transmission

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



High Protection

Supports high surge/ESD protection to avoid any damage to switches.



Wide Working Temperature Design

With wider working temperature compared to normal commercial switches, the Dahua PoE Switch can work in non-standard machine room and other harsh environments.



Long Distance PoE

Allows 250-meter PoE transmission, providing great convenience and saving construction costs.



Intelligent PoE

Guarantees power supply for VIP ports and offers real-time monitoring to ensure proper functioning of devices.

PoE Switch






Desktop PoE Switch

Model	PFS3005-4ET-60	PFS3006-4ET-60	PFS3006-4GT-60	PFS3008-8ET-60	PFS3008-8GT-60	PFS3008-8GT-96
Appearance						
Fast/Gigabit Ethernet	4FE PoE+1FE	4FE PoE+2FE	4GE PoE+2GE	4FE PoE+4FE	4GE PoE+4GE	8GE PoE
SFP Slots	--	--	--	--	--	--
Switching Capacity	1Gbps	1.8Gbps	14Gbps	1.8Gbps	20Gbps	20Gbps
Packet Forwarding Rate	744Kpps	890Kpps	8.93 Mpps	1.19Mpps	11.9Mpps	11.9Mpps
Packet Buffer Memory	448Kb	768Kb	1Mb	768Kb	1.5Mb	1.5Mb
MAC Table Size	1K	2K	2K	2K	8K	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE
PoE Budget	60W	60W	60W	60W	60W	96W
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	--	Yes (250 meters)	--	--
VLAN	--	--	--	--	--	--
Link Aggregation	--	--	--	--	--	--
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	--	--	--
Management	--	--	--	--	--	--
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	130mmx85mmx26mm (5.1"x3.3"x1.0")	130mmx85mmx26mm (5.1"x3.3"x1.0")	130mmx85mmx26mm (5.1"x3.3"x1.0")	190mmx100mmx 30mm (7.5"x3.9"x1.2")	190mmx100mmx30mm (7.5"x3.9"x1.2")	190mmx100mmx30mm (7.5"x3.9"x1.2")






TRANSMISSION

PoE Switch

Desktop PoE Switch

Model	PFS3009-8ET-96	PFS3009-8ET1GT-96	PFS3010-8ET-96	PFS4218-16ET-190/240	PFS4226-24ET-240/360
Appearance					
Fast/Gigabit Ethernet	8 FE PoE + 1FE	8 FE PoE + 1GE	8 FE PoE + 2GE	16FE PoE+2GE (Combo)	24FE PoE+2GE (Combo)
SFP Slots	--	--	--	2GE SFP (Combo)	2GE SFP (Combo)
Switching Capacity	1.8Gbps	3.6 Gbps	5.6Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	1.34Mpps	2.68 Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	768Kb	1Mb	4Mb	2.75Mb	2.75Mb
MAC Table Size	2K	2K	16K	4K	4K
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE
PoE Budget	96W	96W	96W	190W/240W	240W/360W
Long Distance PoE Transmission	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
VLAN	--	--	--	Supported	Supported
Link Aggregation	--	--	--	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	Supported	Supported
Management	--	--	--	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	190mmx100mmx30mm (7.5"x3.9"x1.2")	190mmx100mmx30mm (7.5"x3.9"x1.2")	190mmx100mmx30mm (7.5"x3.9"x1.2")	440mmx300mmx44mm (17.3"x11.8"x1.7")	440mmx300mmx44mm (17.3"x11.8"x1.7")

PoE Switch

	Hardened PoE Switch				Flat PoE Switch
Model	PFS3103-1GT1ET-60	PFS3106-4ET-60	PFS3110-8ET-96	PFS3409-4GT-96	PFS3111-8ET-96-F
Appearance					
Fast/Gigabit Ethernet	1FE PoE+1GE PoE	4FE PoE+1GE	8FE PoE+1GE	4GE PoE+1GE	8FE PoE+2GE
SFP Slots	1GE SFP	1GE SFP	1GE SFP	4GE SFP	1GE SFP
Switching Capacity	6.8Gbps	6.8Gbps	7.6Gbps	33Gbps	13.6Gbps
Packet Forwarding Rate	3.12Mpps	3.57Mpps	4.17Mpps	13.39Mpps	5.65Mpps
Packet Buffer Memory	2Mb	1Mb	1Mb	1.75Mb	2Mb
MAC Table Size	8K	8K	8K	4K	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE
PoE Budget	60W	60W	96W	96W	96W
Long Distance PoE Transmission	--	--	--	--	Port1-4 (250 meters)
VLAN	--	--	--	--	--
Link Aggregation	--	--	--	--	--
Flow Control	Supported	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	--	--
Management	--	--	--	--	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C~+65°C (-22°F~+149°F)	-30°C~+65°C (-22°F~+149°F)	-30°C ~ +65°C (-22°F~+149°F)	-30°C ~ +65°C (-22°F~+149°F)	-30°C ~ +65°C (-22°F~+149°F)
Dimensions (WxDxH)	105mm x75mm x30mm (4.1"x3.0"x1.2")	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x42mm (5.9"x3.9"x1.7")	150mm x110mm 42mm (5.9"x4.3"x1.7")	158mmx130mmx25mm (6.2"x5.1"x1.0")

TRANSMISSION

Access Switch

	Plastic Switch				Metal Switch	
Model	PFS3005-5ET-L	PFS3005-5GT-L	PFS3008-8ET-L	PFS3008-8GT-L	PFS3005-5GT	PFS3008-8GT
Appearance						
Fast/Gigabit Ethernet	5FE	5GE	8FE	8GE	5GE	8GE
SFP Slots	--	--	--	--	--	--
Switching Capacity	1Gbps	1Gbps	1.6Gbps	16Gbps	10Gbps	16Gbps
Packet Forwarding Rate	0.744Mpps	7.44Mpps	1.19Mpps	11.9Mpps	7.44Mpps	11.9Mpps
Packet Buffer Memory	448Kb	1.5Mb	448Kb	1.5Mb	1Mb	1.5Mb
MAC Table Size	1K	2K	1K	2K	2K	4K
PoE Standard	--	--	--	--	--	--
PoE Budget	--	--	--	--	--	--
Long PoE Transmission	--	--	--	--	--	--
VLAN	--	--	--	--	--	--
Link Aggregation	--	--	--	--	--	--
Flow Control	--	--	--	--	--	--
Spanning Tree	--	--	--	--	--	--
Management	--	--	--	--	--	--
Protection	Common Mode 2KV	Common Mode 2KV	Common Mode 2KV	Common Mode 2KV	Common Mode 4KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 0.5KV
Working Temperature	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	-10°C~+55°C (14°F~+131°F)	0°C~+40°C (32°F~+104°F)	0°C~+40°C (32°F~+104°F)
Dimensions (WxDxH)	77mmx46mmx21mm (3.03"x1.81"x0.83")	125mmx65mmx22mm (4.92"x2.56"x0.87")	125mmx65mmx22mm (4.92"x2.56"x0.87")	125mmx65mmx22mm (4.92"x2.56"x0.87")	100mmx64mmx25mm (3.9"x2.5"x1.0")	186mmx106mmx33mm (7.3"x4.2"x1.3")

Access Switch

Metal Switch

Model	PFS3016-16GT	PFS3024-24GT	PFS3106-4T	PFS3110-8T	PFS3409-4GT	PFS3211-8GT
Appearance						
Fast/Gigabit Ethernet	16GE	24GE	4FE+1GE	8FE+1GE	5GE	9GE
SFP Slots	--	--	1GE SFP	1GE SFP	4GE SFP	2GE SFP
Switching Capacity	32Gbps	48Gbps	6.8Gbps	13.6Gbps	33Gbps	33Gbps
Packet Forwarding Rate	23.8Mpps	35.7Mpps	3.57Mpps	4.17Mpps	16.37Mpps	16.37Mpps
Packet Buffer Memory	2Mb	2Mb	1Mb	2Mb	1.75Mb	1.75Mb
MAC Table Size	8K	8K	8K	8K	4K	4K
PoE Standard	--	--	--	--	--	--
PoE Budget	--	--	--	--	--	--
Long PoE Transmission	--	--	--	--	--	--
VLAN	--	--	--	--	--	--
Link Aggregation	--	--	--	--	--	--
Flow Control	--	--	Supported	Supported	Supported	Supported
Spanning Tree	--	--	--	--	--	--
Management	--	--	--	--	--	--
Protection	Common Mode 6KV Differential Mode 0.5KV	Common Mode 6KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	0°C ~ +40°C (32°F ~ +104°F)	0°C ~ +40°C (32°F ~ +104°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions (WxDxH)	294mm x178mm x44mm (11.6"x7.0"x1.7")	294mm x178mm x44mm (11.6"x7.0"x1.7")	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x42mm (5.9"x3.9"x1.7")	150mm x110mm x42mm (5.9"x4.3"x1.7")	150mm x110mm x42mm (5.9"x4.3"x1.7")





TRANSMISSION

V-Radio Wireless Bridge Series

CPE

Model	PFWB2-60n	PFWB2-30n	PFWB5-30n	PFWB5-10n	PFWB5-30ac
Appearance					
Fast/Gigabit Ethernet	1FE	1FE	1FE	1FE	1GE
Wireless Standard	802.11 b/g/n	802.11 b/g/n	802.11 a/n	802.11 a/n	802.11 a/n/ac
Working Frequency	2.402- 2.492GHz (FCC 2.412- 2.462 GHz)	2.402- 2.492GHz (FCC 2.412- 2.462 GHz)	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
Wireless Speed	300Mbps	300Mbps	300Mbps	300Mbps	867Mbps
Transmission Distance	0-3km	0-5km	0-3km	0-5km	0-3km
Antenna Gain	9dBi	14dBi	15dBi	20dBi	15dBi
Polarization	Dual Linear: Horizontal 60°, Vertical 60°	Dual Linear: Horizontal 34°, Vertical 36°	Dual Linear: Horizontal 30°, Vertical 30°	Dual Linear: Horizontal 10°, Vertical 10°	Dual Linear: Horizontal 30°, Vertical 30°
Tx Power Max	31dBm	31dBm	29dBm	29dBm	30dBm
Proprietary Protocol	TDMA	TDMA	TDMA	TDMA	TDMA
Network Security	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation
Management	Web/WNMS Platform	Web/WNMS Platform	Web/WNMS Platform	Web/WNMS Platform	Web/WNMS Platform
Lightning Protection	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV
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)
Dimension	145 mmx116mmx58mm (5.7"x4.6"x2.3")	185mmx185mmx81mm (7.3"x7.3"x3.2")	128 mmx97mmx40mm (5.0"x3.8"x1.6")	185mmx185mmx81mm (7.3"x7.3"x3.2")	128 mmx97mmx40mm (5.0"x3.8"x1.6")
Power	12- 24 VDC passive PoE	12- 24 VDC passive PoE	12- 24 VDC passive PoE	12- 24 VDC passive PoE	12- 24 VDC passive PoE

V-Radio Wireless Bridge Series

	CPE		Base Station	
Model	PFWB5-10ac	PFWB2-90n	PFWB5-90n	PFWB5-90ac
Appearance				
Fast/Gigabit Ethernet	1GE	1FE	1FE	1GE
Wireless Standard	802.11 a/n/ac	802.11 b/g/n	802.11 a/n	802.11 a/n/ac
Working Frequency	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)	2.402- 2.492GHz (FCC 2.412- 2.462 GHz)	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)	5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
Wireless Speed	867Mbps	300Mbps	300Mbps	867Mbps
Transmission Distance	0-5km	0-5km	0-5km	0-5km
Antenna Gain	20dBi	16dBi	18dBi	18dBi
Polarization	Dual Linear: Horizontal 10°, Vertical 10°	Dual Linear: Horizontal 90°, Vertical 90°	Dual Linear: Horizontal 90°, Vertical 90°	Dual Linear: Horizontal 90°, Vertical 90°
Tx Power Max	30dBm	31dBm	29dBm	30dBm
Proprietary Protocol	TDMA	TDMA	TDMA	TDMA
Network Security	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, User Isolation
Management	Web/WNMS Platform	Web/WNMS Platform	Web/WNMS Platform	Web/WNMS Platform
Lightning Protection	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV	Common Mode 3KV Differential Mode 1KV
Ingress Protection	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)
Dimension	185mmx185mmx81mm (7.3"x7.3"x3.2")	383 mmx100mmx98mm (15.1"x3.9"x3.9")	383mmx100mmx98mm (15.1"x3.9"x3.9")	383mmx100mmx98mm (15.1"x3.9"x3.9")
Power	12- 24 VDC passive PoE	12- 24 VDC passive PoE	12- 24 VDC passive PoE	12- 24 VDC passive PoE

TRANSMISSION

Accessories

	PoE Midspan			PoE Extender	Ethernet Media Converter	
Model	PFT1200	TAM01GT01GT-75	TAM1GT1GT-30	PFT1300	OTE103	PFS3102-1T
Appearance						
Fast/Gigabit Ethernet	2GE	2GE	2GE	3FE	1FE	1GE
SFP Slots	--	--	--	--	1FE FC	1GE SFP
Switching Capacity	--	--	--	1.4Gbps	1.4Gbps	6.8Gbps
Packet Forwarding Rate	--	--	--	0.47Mpps	0.3Mpps	2.98Mpps
Packet Buffer Memory	--	--	--	512Kb	512Kb	1Mb
MAC Table Size	--	--	--	1K	1K	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)	--	--
PoE Budget	60W	75W	30W	--	--	--
Lightning Protection	Common Mode 4KV Differential Mode 2KV	--	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-10°C ~ 55°C (14°F ~ +131°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Dimensions (WxDxH)	150mm x70mm x39mm (5.9"x2.8"x1.5")	210mm x75mm x38.5mm (8.3"x2.9"x1.5")	132.3mm x60mm x33mm (5.2"x2.4"x1.3")	79mm x52mm x23mm (3.1"x2.0"x0.9")	105mm x96mm x30mm (4.1"x3.8"x1.2")	150mm x100mm x30mm (5.9"x3.9"x1.2")

DISPLAY & CONTROL





Monitor

Adopting industrial panels, Dahua's monitor provides great performance and supports continuous 24/7 operation. In addition, these monitors offer FHD or UHD resolution, abundant interfaces, ultra-narrow bezel design, elegant appearance, short response time, cost-effective performance, etc., which are respectively present in different series.



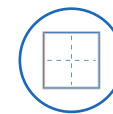
Ultra Series

- Up to 4K Resolution
- Rich Interface Types



Light Series

- Lightweight
- Cost-effective








Commercial Series

- Blue Light Filter
- Narrow Bezel

DISPLAY & CONTROL

Monitors

Model	LM43-F200	LM32-F200	LM22-F200	LM43-S400	LM28-F400
Appearance					
Screen Size	42.5" (16:9)	31.5" (16:9)	21.45" (16:9)	43" (16:9)	28" (16:9)
Resolution	1920×1080	1920×1080	1920×1080	3840×2160	3840×2160
Brightness	330 cd/m ²	240 cd/m ²	250cd/m ²	450cd/m ²	300cd/m ²
Contrast Ratio	1200:1	1400:1	3000:1	1000:1	1000:1
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	6.5ms	8ms	5ms
Display Color	8bit	8bit	8bit	10bit	1.07B (10bit)
Input	1 VGA, 1 HDMI, 1 USB	1 VGA, 1 HDMI, 1 USB	VGA×1, HDMI×1	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RJ45 (RS232)	DP×1, HDMI×2, USB×1
Output	2 Speaks	2 Speaks	Earphone (Audio Out) x1	1 RJ45 (RS232), 2 Speakers	2 Speakers
Control	Physical Button Remote Cotrol	Physical Button Remote Cotrol	Physical Button	RS232, Infrared Remote	Physical Button
Working Temperature	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)
Working Humidity	20%~85%	20%~85%	10~85%	10%~85%	10~85%
Power & Consumption	AC100~240V, 75W	AC100~240V, 55W	19Vdc,1.31A	AC110~240V, 70W	AC100~240V(+/-10%), 40W
Bezel Width	12.8mm (U/R/L), 22mm (B)	13.9mm (U/R/L), 20.5mm (B)	4.65mm (U/R/L), 16.8mm (B)	8mm (U/L/R/B)	3.73mm (U), 3.775mm (R/L), 16.41mm (B)
VESA	400x200mm	75x75mm	100x100mm	400x400mm	75x75mm
Dimensions	969.1×566.8×82.4mm (38.2"×22.3"×3.2")	731.4×432.6×67.5mm (28.8"×17"×2.7")	492.2×284.9×37.6mm (19.4"×11.2"×1.5")	960.7×550.7×65.0mm (37.8"×21.7"×2.6")	637.88×368.53×57.36mm (25.1"×14.5"×2.3")
Weight	7.4kg (16.3lb)	3.9kg (8.6lb)	2.24kg (4.94lb)	16.6kg (36.6lb)	7kg (15.43lb)

LCD Video Wall

Provides excellent visual experience with a variety of options for panel size, bezel width, resolution and brightness.

- 24/7
- 3.5mm narrow bezel
- Abundant interfaces with daisy chain function
- Fast response time and no image ghosting
- Fast stacking installation



DISPLAY & CONTROL

LCD Video Wall

Model	LS550UCM-EF	LS490UCM-EF	LS460UCM-EF
Appearance			
Screen Size	55" (16:9)	49" (16:9)	46" (16:9)
LCD Technology	ADS	ADS	ADS
Resolution	1920x1080	1920x1080	1920x1080
Backlight	Direct LED	Direct LED	Direct LED
Bezel Width	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	40dpi	46dpi	48dpi
Brightness	500cd/m ²	500cd/m ²	500cd/m ²
Contrast Ratio	1400:1	1400:1	1200:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	8ms	8ms
Display Color	8bit	8bit	8bit
Color Temperature	10,000K	10,000K	10,000K
MTBF	50,000h	50,000h	50,000h
Input	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 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
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)
Working Humidity	10%~80%	10%~80%	10%~80%
Power & Consumption	AC100~240V, 150W	AC100~240V, 120W	AC100~240V, 110W
Dimensions	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)

DISPLAY & CONTROL

Decoder

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

- Local signal collection
- Flexible image display
- Powerful collection and decoding capability
- Excellent compatibility with devices from top brands



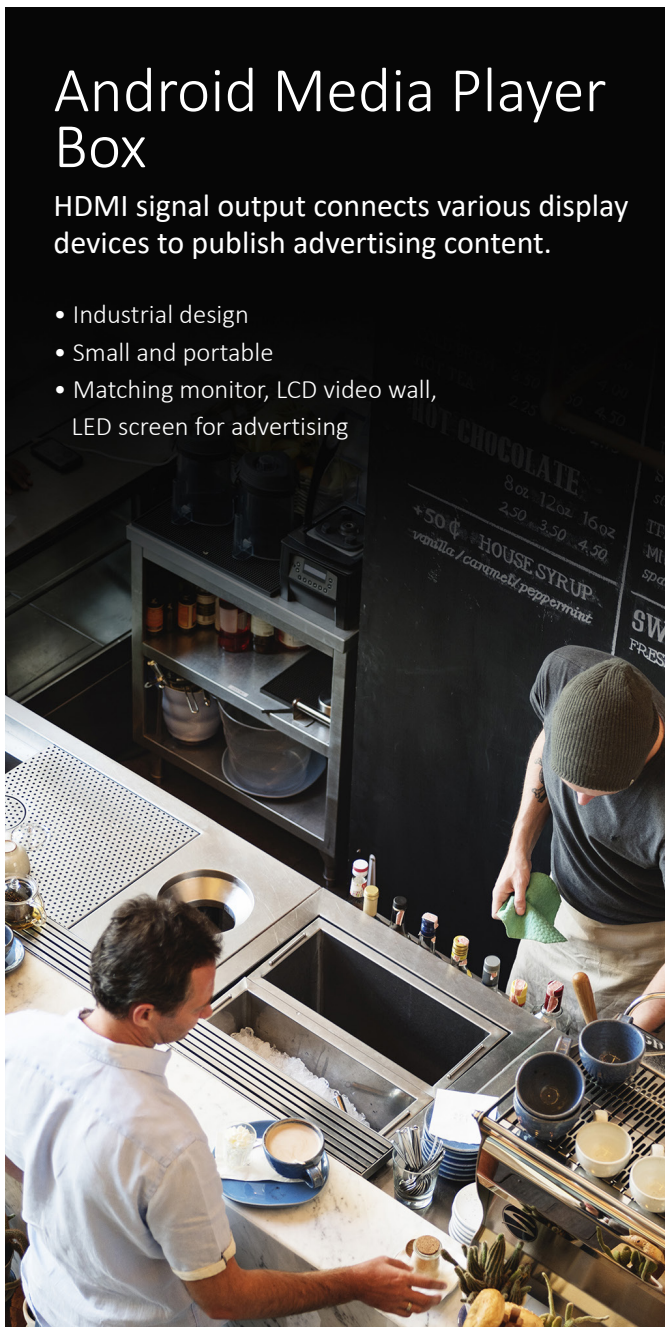
Decoder

Model	NVD0905DH-4I-4K	NVD0605DH-4I-4K	NVD0105DH-4K
Appearance			
Screen Quantity	9 Screens	6 Screens	1 Screen
Splicing Control Modes	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Roam/Overlay
Split Mode	1/4/9/16	1/4/6/8/9/16/25/36	1/4/9/16/25/36/64
Max Decoding	3CH@32MP(30fps)/ 9CH@12MP(25fps)/12CH@4K 48CH@1080P/108CH@720P/192CH@D1	2CH@32MP(25fps)/6CH@12MP(15fps)/ 8CH@8MP/32CH@1080P/ 72CH@720P/128CH@D1	1CH@32MP(30fps)/ 3CH@12MP(25fps)/4CH@4K/ 16CH@1080P/36CH@720P/64CH@D1
Local Video Input	2CH HDMI, 2CH DVI-I	2CH HDMI, 2CH DVI-I	—
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI (DVI with convertor)	HDMI (DVI with convertor)	HDMI/VGA
Audio Out	HDMI	HDMI (embedded)	HDMI
Alarm In/Out	4/4, (30VDC 1A, 125VAC 0.5A, Relay output)	4/4, (30VDC 1A, 125VAC 0.5A, Relay output)	4/4, (30VDC 1A, 125VAC 0.5A, Relay output)
Intercom	1 Pair 3.5mm Jack	1 Pair 3.5mm Jack (reserved)	1 Pair RCA
Processor	Intel x86 processor	Embedded processor	Intel x86 processor
Case	1.5U 19"	1.5U 19"	1U 19"
Ethernet	2 RJ-45 port (10/100/1000M)	2 RJ-45 port (10/100/1000M)	2 RJ-45 port (10/100/1000M)
USB	1 USB2.0, 1 USB3.0	1 USB2.0, 1 USB3.0	2 USB2.0
Power	AC100~240V, 50Hz~60Hz	AC100~240V, 50 Hz~60Hz	DC12V/3.3A
Control Modes	WEB/Video Platform/ Network keyboard/iPad	WEB/Video Platform/ Network keyboard/iPad	WEB/Local GUI/Video Platform/ Network keyboard/iPad
Highlights	4K & H.265 & H.265+ decoding; Fisheye dewarp; PC signal collection	8K & H.265 & H.265+ decoding; Fisheye dewarp; PC signal collection	4K & H.265 & H.265+ decoding; Fisheye dewarp; Displays intelligent regular line

Android Media Player Box


HDMI signal output connects various display devices to publish advertising content.

- Industrial design
- Small and portable
- Matching monitor, LCD video wall, LED screen for advertising



DISPLAY & CONTROL

Android Media Player Box

Model	DPB18-AI
Appearance	
CPU	4 core 64-bit processor
RAM	1GB
ROM	16GB
System	Android 5.1
Input Port	RJ45x1, USB2.0x1, USB3.0x1, SDx1
Output Port	HDMI2.0x1, Audio outputx1
Wi-Fi	Supported
Decoding Capacity	1CH@4K (60fps) or 1ch@1080P
MPS	Supported
Power	DC 12V/1A
Max Consumption	4W
Working Temperature/Humidity	-10°C~+55°C/10%~90%
Storage Temperature/Humidity	-20°C~+60°C/5%~95%

DISPLAY & CONTROL


Keyboard

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

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



Keyboard

Model	NKB1000
Appearance	
Control Mode(s)	Direct mode, Network mode, USB mode
Control Interface	1 RJ-45 port (10/100/1000M), RS232, RS485, RS422, USB
DVR/NVR Protocol	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc.
Max. Users	64 (including "admin")
Screen	Monochrome LCD screen (128x64)
Local Split Display Mode	--
Video Output	--
Local Decoding	--
Intercom	--
Joystick	3-axis (zoom, focus, iris)
Main Processor	Industrial embedded microprocessor
Operating System	Embedded LINUX
USB	1 USB2.0
Power	DC12V/2A
Highlights	Multi-user access control; Controls DVR, NVR, EVS, Decoder, Matrix; Works with SmartPSS or DSSClient via USB port

ACCESSORIES



Accessories

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



Camera Mount

Provides a series of solutions for the installation of cameras.



Power Supply

Provides different power supply type for devices with different specifications.



Audio











Collects live sound signals for the camera.












Cabling

Provides different cable products to meet the transmission requirements of different equipment.

ACCESSORIES

HFWxxT/T1 Series			HFWxxS,HFWXXE-AS/SA Series			HFWxxM Series			
									
Model	PFA130-E	PFA130-E+PFA152-E	Model	PFA134	PFA134+PFA152-E	Model	PFB110W	PFB110C-E	PFB121W
Mount	Junction box	Pole mount	Mount	Junction box	Pole mount	Mount	Ceiling mount	Ceiling mount (extensible)	Wall 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










TPC-BF2xx-T Series			HDBWxxE-S/AS Series				
							
Model	PFA121	PFA121+PFA152-E	Model	PFA136	PFB203W	PFB203W+PFA152-E	PFA136+PFA200W
Mount	Junction box	Pole mount	Mount	Junction box	Wall mount	Pole mount	Rain shade

HDBWxxF Series				HDWxxT-ZS/AS/ZAS, HDWxxH, HDW2/3xxTM,TPC-DF1xx Series				
								
Model	PFA139	PFB204W	PFB204W+PFA152-E	Model	PFA137	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C
Mount	Junction box	Wall mount	Pole mount	Mount	Junction box	Wall mount	Pole mount	Ceiling mount

ACCESSORIES






HDW2/3xxEM Series				
				
Model	PFA130-E	PFB204W	PFB203W+PFA152-E	PFA106+PFB220C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount (extensible)






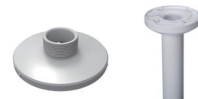
SD6CE/5A/49xx Series								
								
Model	PFB305W	PFB310W	PFB305W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

SD60/TPC-SD8xx Series								
								
Model	PFA111+PFB303W	PFB310W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

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

ACCESSORIES

SD42xx Series				
				
Model	PFA102+PFB302S	PFA102+PFB302S+PFA150	PFA102+PFB302S+PFA151	PFA102+PFB300C
Mount	Wall mount	Pole mount	Corner mount	Ceiling mount

SD29xx Series				
 				
Model	PFA103+PFB302S	PFA103+PFB302S+PFA150	PFA103+PFB302S+PFA151	PFA103+PFB300C
Mount	Wall mount	Pole mount	Corner mount	Ceiling mount

SD22xx Series					SD1A/12 Series			
								
Model	PFA137	PFB203W	PFB203W+PFA152-E	PFB200C	Model	PFA13F	PFA107+PFB305W	PFA107+PFB220C
Mount	Junction box	Wall mount	Pole mount	In-ceiling mount	Mount	Junction box	Wall mount	Ceiling mount (extensible)

TPC-SD2xx Series								
								
Model	PFA111+PFB303W	PFB305W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

Housings

Provide a multi-functional shield for box cameras.

- 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")	φ60mm (φ2.36")
Wiper	Supported	--	--	--
Vandal-proof	--	Supported	Supported	Supported
Anti-corrosion	--	--	--	--
Compatibility	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF	HFxxE, HFxxF
IR Distance	0~100m (0~328.08ft)	--	--	--
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	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
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	CE, FCC

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)
RS485 Control	Use RS484 to control IR light	Use RS484 to control IR light	--	--	--	--	--
Power Supply	AC24V/5A	POE+	DC12V, AC24V	AC24V/3A	POE+	AC24V/5A,	POE+
Power Consumption	55W	12.5W	N/A	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°C) OFF: ≥+5°C(+41°C) Cooler: ON: ≥37°C(98.6°C)/ OFF: <20°C(68°C)	Set: -30°C ~+60°C (-22°F~+140°F) Heater: ON: N/A Cooler: ON: N/A	Set: -40°C ~+60°C (-40°F~+140°F) Heater: ON: 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°C) OFF: +5°C(+41°C) Cooler: ON: ≥37°C (98.6°C) OFF: <20°C (68°C)
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")
Certification	CE, FCC, UL, EAC, ICES	CE, FCC, ICES	CE, FCC, ICES	CE, FCC, UL, EAC, ICES	CE, FCC	CE, FCC, UL, EAC, ICE2S	CE, FCC, ICES

Lens

A wide range of multi-functional lenses for box cameras.

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



Lens					
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)

Lens					
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 from -30°C~+70°C and lightning protection up to 4KV
- Distributed Power: wall mount, convenient for powering multiple devices
- Switch power: High quality and reliability, widely used, flexible
- UPS: Temporary power discharge equipment between utility and equipment

ACCESSORIES

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)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)	Common Mode ±4KV (12 ohms) Differential Mode ±2kV (2 ohms)

Distributed Power Box				
Model	PFM340-5CH	PFM341-9CH	PFM342-9CH	PFM343-19CH
Appearance				
Input	AC90~264V	AC90~264V	AC90~264V	AC90~264V
Output	5 x 12VDC (-3%~+7%), 4A	9 x 12VDC (-3%~+7%), 5A	9 x 12VDC (-3%~+7%), 10A	19 x 12VDC (-3%~+7%), 20A
Working Temperature	-20°C~+45°C (-4°F~+113°F)	-20°C~+45°C (-4°F~+113°F)	-20°C~+45°C (-4°F~+113°F)	-20°C~+45°C (-4°F~+113°F)
Surge Protection	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V	Line to ground: 4000V Line to line: 2000V

Switching Power&UPS					
Model	PFM320S-150	PFM320S-50	PFM350-360	PFM350-900	PFM351-900
Appearance					
Input	88~132Vac/176~264Vac	90~264Vac	600VA/360W	1500VA/900W	1000VA/900W
Output	12Vdc, 12.5A	12Vdc, 4.2A	220Vac~240Vac (US 110Vac~120Vac)	220Vac~240Vac (US 110Vac~120Vac)	220Vac~240Vac (US 110Vac~120Vac)
Working Temperature	20°C~+50°C (60% output at +70°C)	-20°C ~+50°C (60% output at +70°C)	50Hz or 60Hz	50Hz or 60Hz	40Hz~70Hz
Surge Protection	Line to ground: ±2000V Line to line: ±1000V	Line to ground: ±2000V Line to line: ±1000V	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)
Output Rated Frequency	--	--	50Hz or 60Hz ±1Hz	50Hz or 60Hz ±1Hz	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)



Pickups

Choose from a variety of pickup products to effectively capture live sounds.

- High-sensitivity microphone
- Intelligent noise reduction
- Smart audio crack protection
- Wide dynamic range processing technology
- Automatic supplement function



Pickups				
Model	HAP100	HAP201	HAP301	HAP120
Appearance				
Scope	5-40m ²	1-150m ²	1-150m ²	10-70m ²
Sensitivity	-40dB	-38 dB	-38 dB	-34dB
Frequency response	20Hz~20kHz	20 Hz~20 kHz	20 Hz~20 kHz	80Hz~16kHz
Directional characteristic	Omni-directional	Omni-directional	Omni-directional	Omni-directional
SNR	70dB	85 dB	85 dB	58dB
Dynamic range	104dB	106 dB	106 dB	74dB
Max. sustainable sound pressure	120dB SPL (1kHz, THD 1%)	120dB SPL (1kHz, THD 1%)	120dB SPL (1kHz, THD 1%)	110dB SPL (1kHz, THD 1%)
Output impedance	600Ω (non-equilibrium)	25 Ω non-balanced	25 Ω non-balanced	600Ω (non-equilibrium)
Output signal amplitude	2.5Vpp/-25dB	2.5 VPP/-25 dB	2.5 VPP/-25 Db	2.5Vpp/88dB SPL
M.O.D.	0.3m (0.98ft)	0.5m (1.64ft)	0.5m (1.64ft)	0.3m (0.98ft)
Working temperature	-30°C ~ +70°C (-22°F ~+158°F)	-20 °C ~ +60 °C (-4 °F ~+140 °F)	-20°C ~ +60°C (-4 °F ~+140 °F)	-30°C ~+70°C (-22°F ~+158°F)

Pickups			
Model	HAP320	HAP120-V	HAP320-V
Appearance			
Scope	10-150m ²	5m	5-100m ²
Sensitivity	-35dB	-43dB	-24dB
Frequency response	20Hz~20kHz	20Hz~20kHz	20Hz~20kHz
Directional characteristic	Omni-directional	Omni-directional	Omni-directional
SNR	65dB	58dB	68dB
Dynamic range	86dB	74dB	84dB
Max. sustainable sound pressure	115dB SPL (1kHz, THD 1%)	110dB SPL (1kHz, THD1%)	110dB SPL (1kHz, THD 1%)
Output impedance	100Ω (non-equilibrium)	100Ω (non-equilibrium)	100Ω (non-equilibrium)
Output signal amplitude	2.5Vpp/92dB SPL	2.5Vpp/101dB SPL	2.5Vpp/90dB SPL
M.O.D.	0.3m (0.98ft)	0.5m (1.64ft)	0.5m (1.64ft)
Working temperature	0°C~+50°C (32°F~+122°F)	-30°C~+70°C (-22°F~+158°F)	-30°C~+70°C (-22°F~+158°F)

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



ACCESSORIES

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 x 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 HDTVI: 2MP, 4MP, 5MP AHD: 2MP, 4MP CVBS: NTSC, PAL	HDCVI: 1MP, 2MP, 4MP,4K HDTVI: 1MP, 2MP, 4MP,5MP AHD: 1MP, 2MP, 4MP CVBS: NTSC, PAL	HDCVI: 1MP, 2MP, 4MP,5MP,6MP,4K HDTVI: 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~+55°C (+14°F~+131°F)	-10°C~+55°C (+14°F~+131°F)	-10°C~+55°C (+14°F~+131°F)

Video Extension

Allows video signal extension and branching.

- Real-time transmission of HDMI signals
- Real-time transmission of VGA signals
- No need to install drivers
- Excellent anti-thunder, anti-static and anti-interference capabilities



Video Extension

Model	PFM700-E	PFM701-4K	PFM710
Appearance			
Transmission Signal	1-channel HDMI	1-channel HDMI ~ 2-channel HDMI	1-channel VGA
Transmission Distance	50m	--	35m
Video Signal Input Interface	HDMI interface	HDMI interface	Female 15, VGA port
Video Input Port	HDMI interface	HDMI interface	Female 15, VGA port
Transmission Port	RJ45 port	--	RJ45 port
Resolution	1080P/1080I/720P/576P/ 576I/480P/480I	4K/1080P/1080I/720P/576P/ 576I/480P/480I	640*480/800*600/1600*1050/ 1600*1200/1920*1200/1920*1080
Working Temperature	-10°C~55°C (14°F~131°F)	-10°C~55°C (14°F~131°F)	0°C~+55°C (+32°F~+131°F)

Cables

New network cables with higher quality and higher cost-performance ratio.

- 305m/carton UTP CAT5e, Power over Ethernet compatible with one cable
- High-purity and oxygen-free copper conductor material
- Customized PVC sheath, CE CPR Eca or ANSI UL CM flame retardant class certified
- Top-notch quality commitment for 10 years



ACCESSORIES

Cables

Model	PFM920I-5EUN	PFM920I-6UN-C	PFM922I-6UN-C	PFM923I-6UN-C
Appearance				
Category	CAT5e	CAT6	CAT6	CAT6
Conductor Material	Oxygen free copper (99.97% purity)	Oxygen free copper (99.97% purity)	CCA(Copper content 8%~12%)	Oxygen free copper (99.97% purity)
Conductor Diameter	0.45 mm ± 0.01 mm	0.53 mm ± 0.005 mm	0.57 mm ± 0.01 mm, 23AWG	0.53 mm ± 0.005 mm
Sheath	PVC	PVC	PVC	LSZH
Certification	CPR Eca	CPR Eca	CPR Eca	CPR Eca
Length	305m (1000ft)	305m (1000ft)	305m (1000ft)	305m (1000ft)
Color	White	White, Orange, Blue	Orange	White

Cables

Model	PFM920I-5EU-U	PFM920I-6U-U	PFM920I-6U-C
Appearance			
Category	CAT5e	CAT6	CAT6
Conductor Material	Oxygen free copper (99.97% purity)	Oxygen free copper (99.97% purity)	Oxygen free copper (99.97% purity)
Conductor Diameter	0.5 mm ± 0.01 mm, 24AWG	0.57 mm ± 0.01 mm, 23AWG	0.57 mm ± 0.01 mm, 23AWG
Sheath	PVC	PVC	PVC
Certification	UL CM	UL CM	CPR Eca
Length	305m (1000ft)	305m (1000ft)	305m (1000ft)
Color	White	White	White

Cabinets

Cabinets provide protection and stable working environment for storage devices. It also serves as shield against electromagnetic interference.

- Aesthetic design
- Standard 19" rack
- Supports wall mount and plane mount
- Cable entry on the top cover and bottom panel
- The four sides around the cabinet can be opened



Cabinets





Model	PFC200D-6U4D	PFC200D-9U4D	PFC200D-12U4D	PFC200D-18U6D
Appearance				
Material	SPCC	SPCC	SPCC	SPCC
Dimension (WxDxH)	600mmx450mmx372mm (23.62"x17.72"x14.57")	600mmx450mmx505mm (23.62"x17.72"x19.88")	600mmx450mmx638mm (23.62"x17.72"x25.12")	600mmx600mmx990mm (23.62"x23.62"x38.98")
Weight	13kg (28.66lb)	15.6kg (34.39lb)	18.1kg (39.9lb)	39.5kg (87.08lb)
Load Bearing	40kg (88.18lb)	40kg (88.18lb)	40kg (88.18lb)	300kg (661.39lb)
Color	Black	Black	Black	Black

Cabinets

Model	PFC200D-42U8D	PFC610-4D	PFC610-6D	PFC610-8D
Appearance				
Material	SPCC	SPCC	SPCC	SPCC
Dimension (WxDxH)	600mmx800mmx2055mm (23.62"x31.5"x80.91")	489mmx275mmx47.6mm (19.25"x10.83"x1.87")	472mmx350mmx48mm (18.56"x13.78"x1.87")	472mmx550mmx48mm (18.56"x21.65"x1.87")
Weight	89kg (196.21lb)	1.6kg (3.53lb)	1.9kg (4.19lb)	2.8kg (6.17lb)
Load Bearing	300kg (661.39lb)	40kg (88.18lb)	40kg (88.18lb)	40kg (88.18lb)
Color	Black	Black	Black	Black

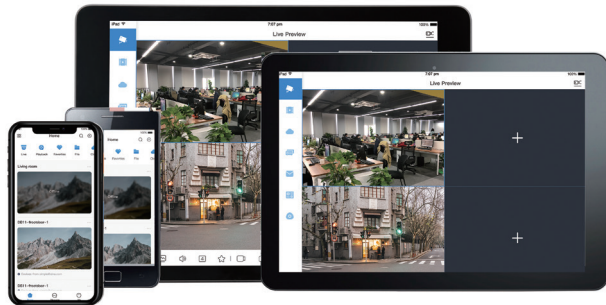
VIDEO MANAGEMENT SOFTWARE

DSS Products

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

VIDEO MANAGEMENT SOFTWARE

DMSS



Digital Mobile Surveillance System

Monitor Anything with Your SmartPhone or Tablet Anytime, Anywhere



Devices	Supported Devices	DVR, NVR, IPC, VTO, DoorBell, Alarm Hub
	Add Device Method	IP/domain, SN, Import form cloud, Soft AP
	Features	Remote config, Alarm config, HDD info, Share device list
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 1920--1080
Live Preview	Max. Channels That 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 Detectin, 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)

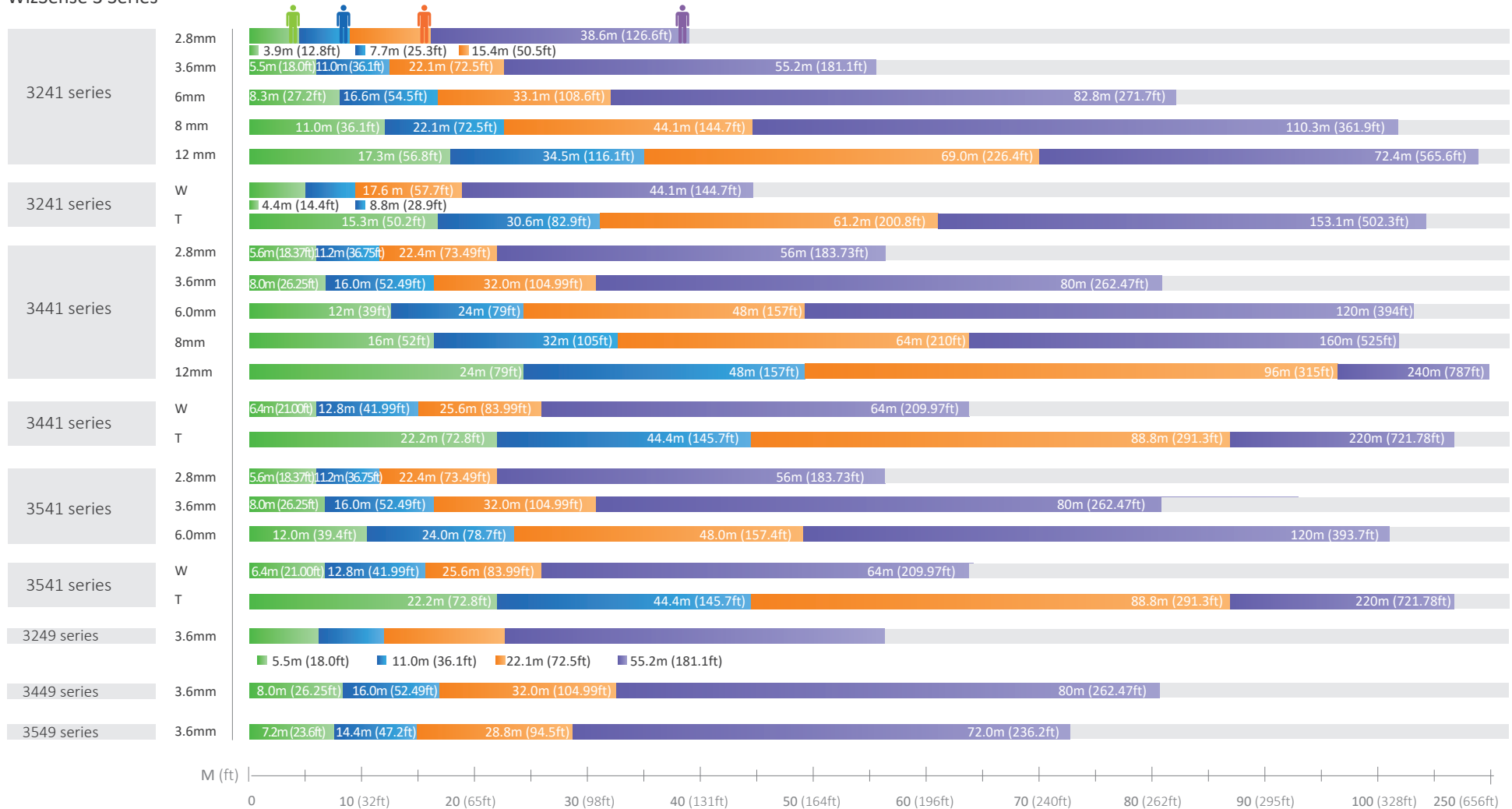
Find the Optimal Camera for Your Customized Surveillance Needs

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

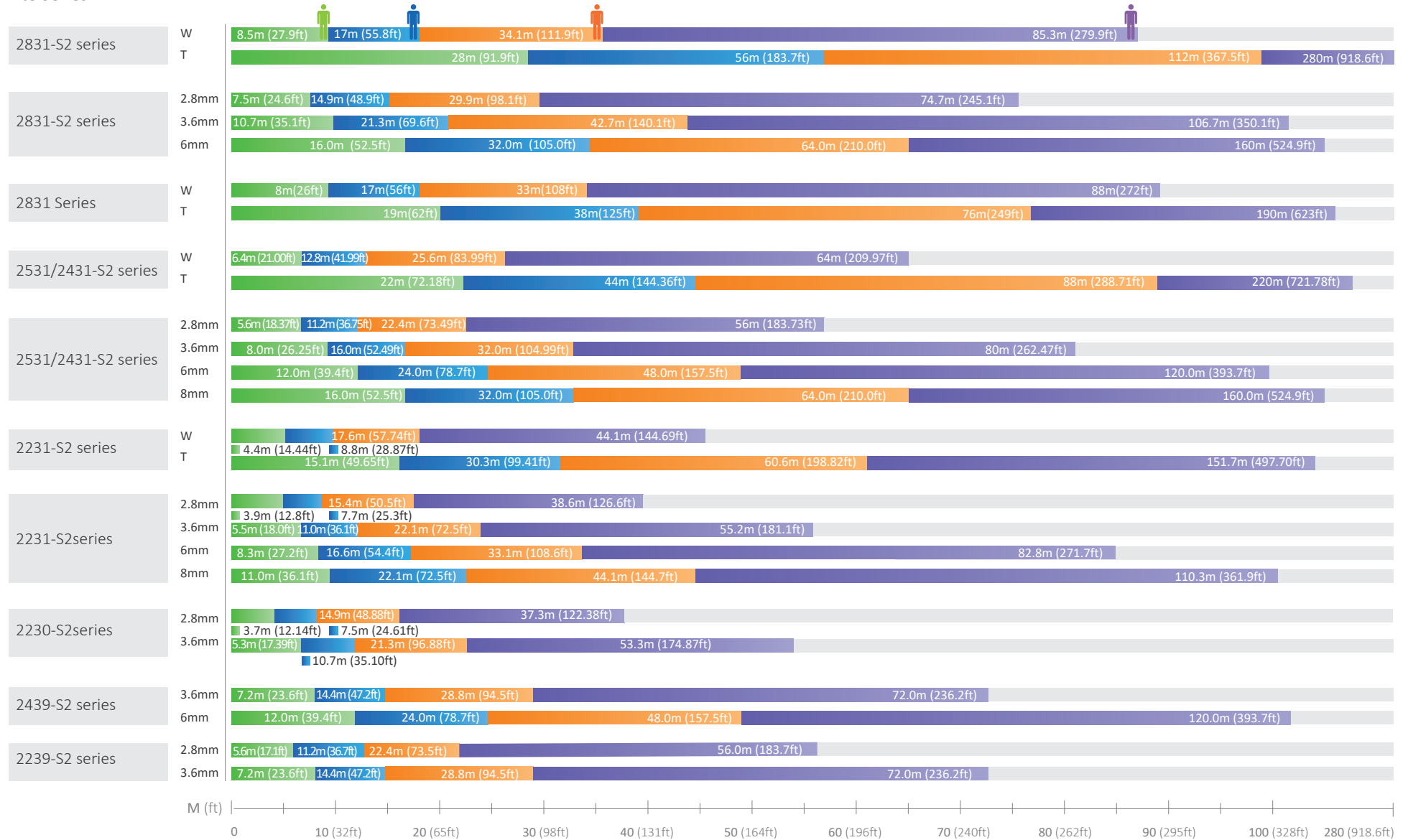
WizSense 3 Series



DORI DISTANCE (D/O/R/I)

NETWORK CAMERAS

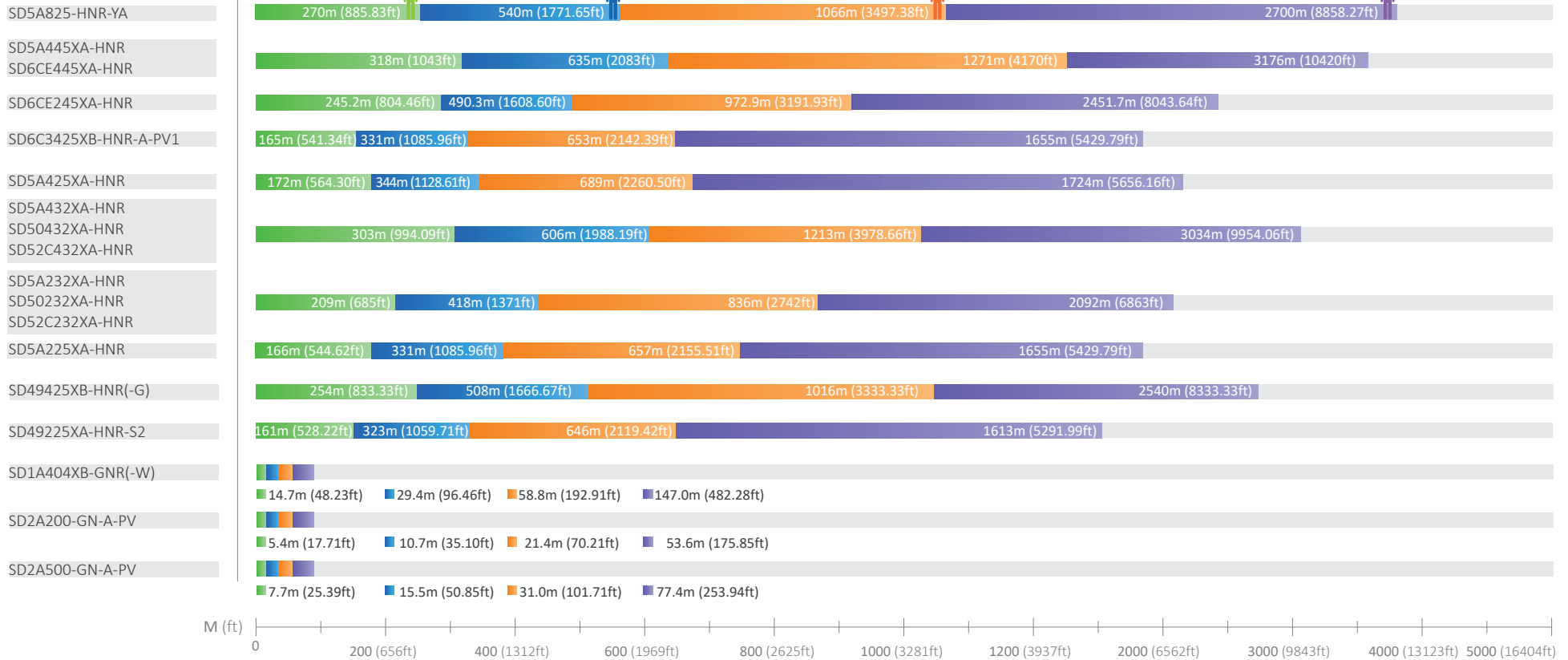
Lite Series



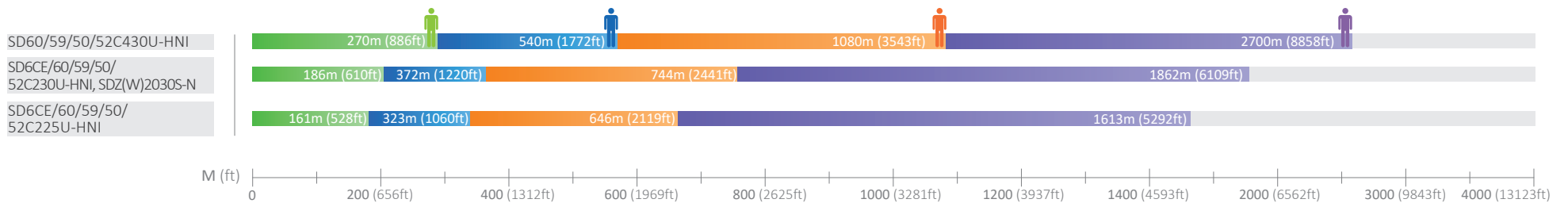
DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

WizSense Series



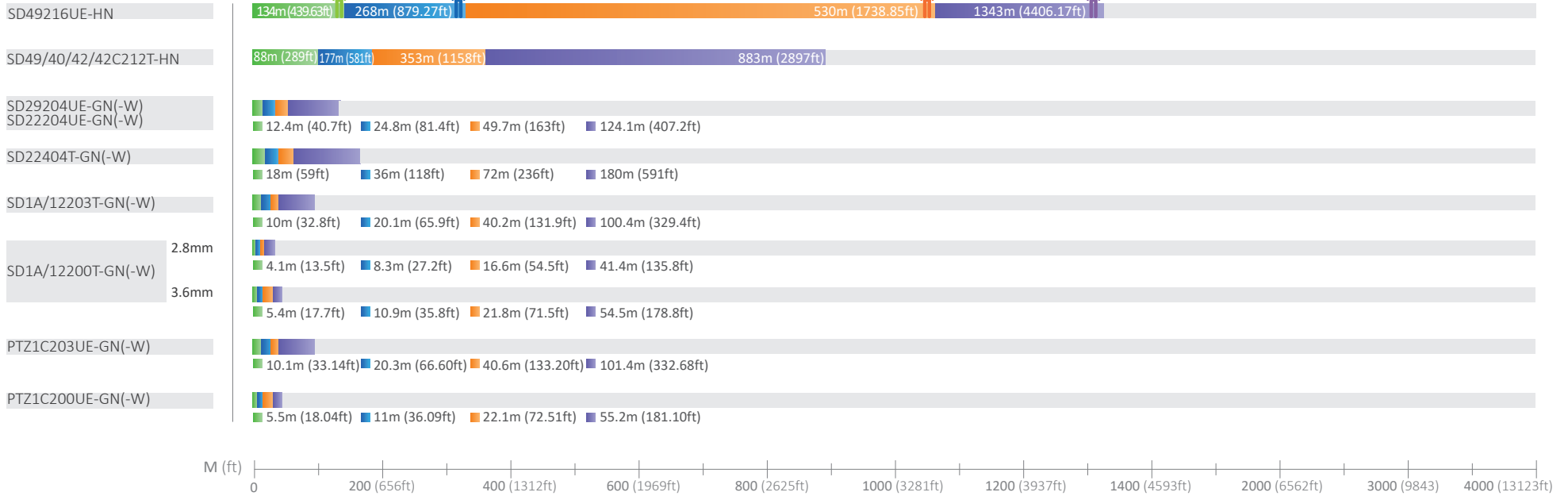
Pro Series



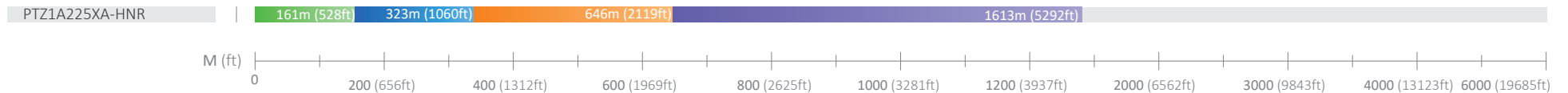
DORI DISTANCE (D/O/R/I)

NETWORK PTZ CAMERAS

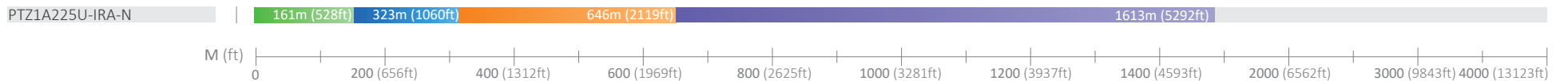
Lite Series / Wi-Fi Series



All-environment Series (AI)



All-environment Series (Non-AI)



DORI DISTANCE (D/R/I)

NETWORK THERMAL CAMERAS

■ Detection distance ■ Recognition distance ■ Identification distance

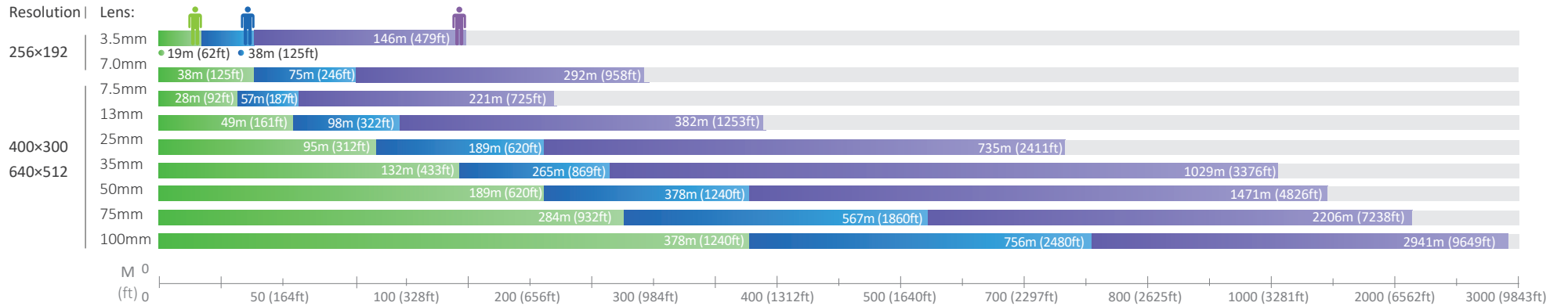
The DRI (Detection Recognition Identification) is defined in terms of the number of pixels on the object and depends on a common standard-- Johnson's criteria.
[\[http://en.wikipedia.org/wiki/Johnson's_criteria\]](http://en.wikipedia.org/wiki/Johnson's_criteria).

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

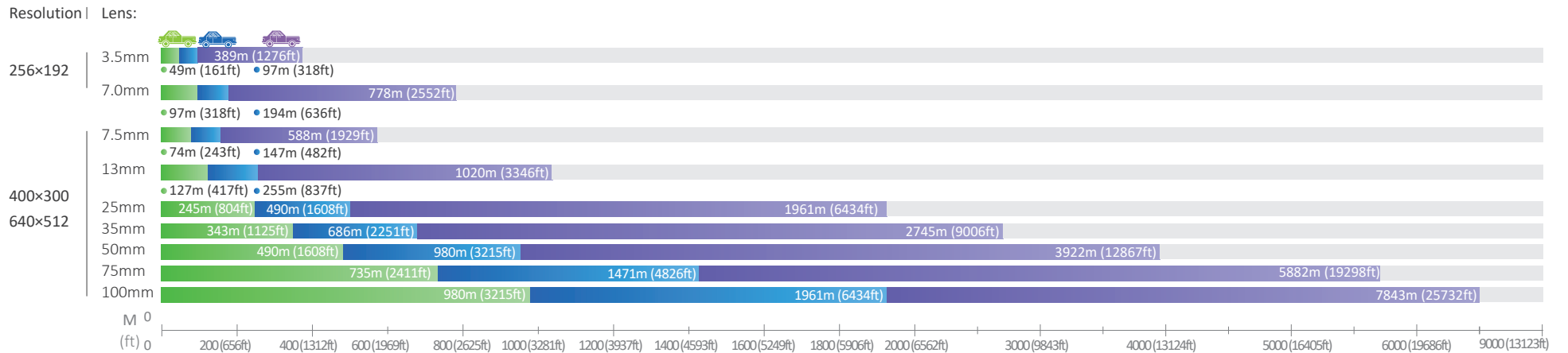
Recognition: Distinguish classification of objects [Human, Vehicle or Building]
 Required minimum pixels: Human 14 pixels, Vehicle 12 pixels

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

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*Design and specifications are subject to change without notice.

Ver. 2, Nov. 2021

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