

NETWORK
PTZ CAMERAS





WizMind Series PTZ Camera

The WizMind Series PTZ cameras adopt advanced AI technologies including deep learning algorithms that primarily focus on people and vehicles, providing higher flexibility and accuracy for end-users. Equipped with intelligent features including Perimeter Protection, Metadata, and Face Recognition, it provides potential risk prevention and real-time event alarm.



Face Recognition

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



Auto Tracking

Auto tracking supports targets classification tracking.



Video Metadata

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








OIS

Large Optical Zoom with Optical Image Stabilization offers better performance.

NETWORK CAMERAS

Special Series





Mobile Camera

Model	IPC-MBW4431-AS/M12	IPC-MBW4231-AS/M12	IPC-MW1230D-HM12/VM12	IPC-HDBW4231F-E2-M/M12	IPC-EB5541-M/M12
Appearance		 Starlight		 Starlight	 Wiz Mind
Image Sensor	1/3" 4MP Exmor CMOS	1/2.8" 2MP CMOS	1/2.7" 2MP progressive scan CMOS	Two 1/2.8" 2MP STARVISTM CMOS	1/2.7" 5MP CMOS
Lens	2.8mm/F2.0; 3.6mm/F2.0; 6mm/F2.0	2.8mm/F2.0; 3.6mm/F2.0; 6mm/F2.0	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)	1.4mm fixed lens
FOV-H	104°/87°/55°	110°/87°/51°	H: 115° (86°, 53°), V: 62° (47°, 30°)	110°/86°	H: 180°, V: 180°
Min. Illumination	0.08Lux/F2.0 (Color, 1/3s, 30IRE) 0.3Lux/F2.0 (Color, 1/30s, 30IRE) 0Lux/F2.0 (IR on)	0.009Lux/F2.0 (Color, 1/3s, 30IRE) 0.07Lux/F2.0 (Color, 1/30s, 30IRE) 0Lux/F2.0 (IR on)	0.02Lux/F2.1 (Color, 1/3s, 30IRE) 0.2Lux/2.1 (Color, 1/30s, 30IRE) 0Lux/F2.1 (IR on)	0.009Lux/F2.0 (Color, 1/3s, 30IRE) 0.07Lux/2.0 (Color, 1/30s, 30IRE) 0Lux/F2.0 (IR on)	0.006Lux@F2.0
Day/Night	ICR	ICR	Auto (ICR)/Color/B/W	Auto(ICR) / Color / B/W	Electronic
WDR	120dB	120dB	DWDR	120dB, only for CH1	120dB
Max. IR Distance	30m	30m	Distance up to 30m (98ft)	20m	N/A
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.264H/MJPEG (Sub Stream)	H.265+/H.265/H.264+/H.264
Smart Codec	4M (2688x1520)	1080P (1920x1080)	1080P (1920x1080)	2MP (1920x1080)	5M (2592x1944)
Max. Resolution	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+	Smart H265+/H264+
Frame Rate	30fps@4M	60fps@1080P	Main Stream: 1080P (1~25/30fps) Sub Stream: D1 (1~25/30fps)	1080P (1~25/30fps)	Main Stream: 5M (1~30fps) Sub Stream: D1 (1~25/30fps)
Multi-streaming	3 Streams	3 Streams	2 Streams	2 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~20°; Tilt: -15°~15° Rotation: 0°~360°	Pan: 0°~20°; Tilt: -15°~15° Rotation: 0°~360°	N/A	Pan: ±90°; Tilt: 0°~65° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection	--	Tripwire, Intrusion, Object Abandoned/ Missing, Face Detection	Tripwire, Intrusion Heat map, People Counting
Compatibility	ONVIF (2.4), PSIA, CGI	ONVIF (2.4), PSIA, CGI	ONVIF profile S, CGI	ONVIF Profile S&G, API	ONVIF Profile S&G&T, API
Audio In/Out	1/1 channel In/Out (-AS)	1/1 channel In/Out (-AS)	N/A	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB		Mirco SD card 128GB	Mirco SD card 256GB
Alarm In/Out	1/1 channel In/Out (-AS)	1/1 channel In/Out (-AS)	N/A	N/A	N/A
Ingress Protection	IP67, IP6K9K, IK10	IP67, IP6K9K, IK10	IP67, IP6K9K	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-30°C ~ +60°C (-22°F ~ +140°F)/ Less than 95% RH	-30°C~+60°C	-30°C~+55°C
Power	DC12V(-AS), PoE (802.3af), Max. 6.5W	DC12V(-AS), PoE (802.3af), Max. 6.5W	DC12V, <3.7W	M Model: DC12V, PoE (802.3af) (Class 0) M12 Model: PoE (802.3af) (Class 0)	M Model: DC12V+PoE M12 Model: PoE

NETWORK PTZ CAMERAS

WizMind Series






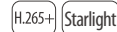
Panoramic & Detail Camera

Model	SDT5X405-4F-WA		SDT5X225-2F-WA-0600	
Appearance	  		  	
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	6mm	10mm~50mm (5x Optical zoom)	6mm	4.8mm~120mm (25x Optical zoom)
FOV-H	57°	45°~10°	53.7°	59.6°~4.8°
Min. Illumination	0.0005Lux/F1.0 (Color) 0.0001Lux/F1.0 (B/W)	0.001Lux/F1.3 (Color) 0Lux/F1.3 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.43ft)	100m (328.08ft)	30m (98.43ft)	100m (328.08ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2688x1520)	4MP (2688x1520)	2MP (1920x1080)	2MP (1920x1080)
Frame Rate	30fps@4MP	30fps@4MP	60fps@2MP	60fps@2MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~250° Tilt: -10°~90°	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~250° Tilt: -10°~90°
Pre-set Speed	Pan: 100°/s; Tilt: 25°/s	Pan: 120°/s; Tilt: 50°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 120°/s; Tilt: 50°/s
Compatibility	ONVIF Profile S & G & T, API		ONVIF Profile S & G & T, API	
Audio In/Out	1/1		1/1	
Memory Slot	Micro SD, Max. 256GB		Micro SD, Max. 256GB	
Alarm In/Out	2/1		2/1	
Ingress Protection	IP67		IP67	
Working Temperature	-40°C~-70°C (-40°F~+158°F)		-40°C~-70°C (-40°F~+158°F)	
Power	DC36V, Hi-PoE, Max. 40W		DC36V, Hi-PoE, Max. 40W	
Artificial Intelligence				
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects
Auto Tracking	--	Supported	--	Supported
Video Metadata	Supported	Supported	--	--
Face Recognition	Supported	Supported	--	--
Face Detection	Supported	Supported	--	--

NETWORK PTZ CAMERAS

WizMind Series






Panoramic & Detail Camera

Model	SDT5X425-4Z4-WA-2812		SDT5X425-4Z4-WA-0832	
Appearance	  		  	
	Panoramic	Detail	Panoramic	Detail
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.8 mm–12 mm (4x Optical zoom)	5.4 mm–135 mm (25x Optical zoom)	8 mm–32 mm (4x Optical zoom)	5.4 mm–135 mm (25x Optical zoom)
FOV-H	99.2°~45.8°	58°~3.5°	42°~15°	58°~3.5°
Min. Illumination	0.001Lux/F1.6 (Color)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.6 (Color)	0.001Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98.43 ft)	100m (328.08 ft)	30m (98.43 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
Max. Resolution	4MP (2560x1440)	4MP (2560x1440)	4MP (2560x1440)	4MP (2560x1440)
Frame Rate	30fps@4MP	30fps@4MP	30fps@4MP	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~305° Tilt: -3°~90°	Pan: 0°~360° endless Tilt: 0°~30°	Pan: 0°~305° Tilt: -3°~90°
Pre-set Speed	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s	Pan: 100°/s; Tilt: 25°/s
Compatibility	ONVIF Profile S & G & T, API		ONVIF Profile S & G & T, API	
Audio In/Out	1/1		1/1	
Memory Slot	Micro SD, Max. 256GB		Micro SD, Max. 256GB	
Alarm In/Out	1/1		1/1	
Ingress Protection	IP67		IP67	
Working Temperature	-40°C~+70°C (-40°F~+158°F)		-40°C~+70°C (-40°F~+158°F)	
Power	DC36V, Hi-PoE, Max. 40W		DC36V, Hi-PoE, Max. 40W	
Artificial Intelligence				
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects
Auto Tracking	--	Supported	--	Supported
Video Metadata	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Face Detection	Supported	Supported	Supported	Supported

NETWORK PTZ CAMERAS

WizMind Series

IR PTZ Camera

Model	SD10A848WA-HNF	SD10A260WA-HNF	SD8A840-HNF-PA	SD8A820WA-HNF	SD8A440-HNF-PA
Appearance	 4K H.265+ Starlight+	 H.265+ Starlight+	 4K H.265+ Polarlight	 4K H.265+ Polarlight	 H.265+ Starlight+
Image Sensor	1/1.8" 8MP STARVIS™ CMOS	1/1.8" 2MP STARVIS™ CMOS	1/1.8" 8MP STARVIS™ CMOS	4/3" 8MP STARVIS™ CMOS	1/1.8" 4MP STARVIS™ CMOS
Lens	5.7mm~275mm (48x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.6mm ~ 223mm (40x Optical zoom)	16mm~320 mm (20x Optical zoom)	5.6mm ~ 223mm (40x Optical zoom)
FOV-H	64.9°~1.8°	64.9°~1.4°	63.9°~2.0°	58.1°~3.2°	63.9°~2.0°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.005Lux/F1.4(Color) 0Lux/F1.4 (IR on)	0.0005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.001Lux/F1.4(Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	140dB	120dB	140dB
Max. IR Distance	450m (1476ft)	450m (1476ft)	500m (1640ft)	500m (1640ft)	500m (1640ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4K (3840×2160)	1080P (1920×1080)	4K(3840×2160)	4K (3840×2160)	4MP (2560×440)
Frame Rate	30fps@4K	30fps@1080P	30fps@4K	30fps@4K	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt: -30°~90°	Pan: 0°~360° endless Tilt: -30°~90°
Preset Speed	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 120°/s
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	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-PoE, Max. 42W	DC36V, Hi-PoE, Max. 42W	DC36V, Hi-POE, Max.48W	DC36V, Hi-POE, Max. 42W	DC36V, Hi-POE, Max.48W
Artificial Intelligence					
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects
Auto Tracking	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Face Recognition	--	--	--	Supported	--
Face Detection	--	--	Supported	Supported	Supported

NETWORK PTZ CAMERAS

WizMind Series

	Traffic Parking PTZ Camera	IR PTZ Camera	Laser PTZ Camera	IR PTZ Camera	Vandal-proof PTZ Camera
Model	SD8A440-HNT-WA	SD8A250WA-HNF	SD6AL445XA-HNR	SD6AL445XA-HNR-IR	SD65F233XA-HNR
Appearance	 Wiz Mind Starlight+	 Wiz Mind H.265+ OIS	 Wiz Mind H.265+ Starlight	 Wiz Mind H.265+ Starlight	 Wiz Mind H.265+ Starlight+
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 4MP CMOS	1/2.8" 4MP CMOS	1/1.8" 2MP CMOS
Lens	5.5mm~220mm (40x Optical zoom)	6.6mm~330mm (50x Optical zoom)	3.9~177.7 mm (45x Optical zoom)	3.9~177.7 mm (45x Optical zoom)	5.8mm~191.4mm (33x Optical zoom)
FOV-H	63.9°~2.0°	41.3°~1.1°	70.3°~1.8°	70.3°~1.8°	60.1°~3.2°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.05Lux@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)	0.001Lux/F1.5 (Color) 0.0001Lux/F1.5 (B/W)
WDR	94dB	120dB	120dB	120dB	120dB
Max. IR Distance	500m (1640 ft)	500m (1640ft)	550m (1804ft)	300m (984ft)	--
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 (2560x1440)	4MP (2560x1440)	4MP (2560x1440)	1080P (1920x1080)
Frame Rate	30fps@4MP	60fps@1080P	30fps@4MP	30fps@4MP	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0° ~ 360° endless Tilt: -30° ~ 90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°	Pan: 0°~360° endless Tilt: -20°~90°
Preset Speed	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 120°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 240°/s; Tilt: 200°/s	Pan: 600°/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	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Hi-PoE, Max. 48W	DC36V, Hi-PoE, Max. 38W	DC36V, Hi-PoE, Max. 36W	DC36V, Hi-PoE, Max. 36W	AC24V, PoE+ (802.3at), Max. 34W
Artificial Intelligence					
Perimeter Protection	--	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects
Auto Tracking	--	Supported	Supported	Supported	Supported
Smart Capture	--	Supported	Supported	Supported	Supported
Face Recognition	--	Supported	--	--	--
Face Detection	--	Supported	Supported	Supported	Supported

All-environment Series

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



Powerful Zoom

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



Super IR Range

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



Perimeter Protection

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












PFA

Improves focusing performance to a new level.

NETWORK PTZ CAMERAS

All-environment Series

	Laser Positioning System	IR Positioning System	
Model	PTZ85260-HNF-WA-FL	PTZ85260-HNF-WA	PTZ83440-HNF-PA
Appearance	  	  	  
Image Sensor	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS	1/1.8" 4MP CMOS
Lens	5.6mm~336mm (60x Optical zoom)	5.6mm~336mm (60x Optical zoom)	5.5mm~220mm (40x Optical zoom)
FOV-H	56.4°~1.2°	56.4°~1.2°	61.8° ~ 2.2°
Min. Illumination	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)	0.001Lux/F1.4 (Color) 0Lux/F1.4 (IR on)
WDR	120dB	120dB	120dB
Max. IR Distance	1000m (3280.84ft)	400m (1312.34ft)	350m (1148.29 ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	1080P (1920×1080)	4MP (2560×1440)
Frame Rate	30fps@1080P	30fps@1080P	30fps@4MP
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -90°~45°	Pan: 0°~360° endless Tilt: -45°~90°
Preset Speed	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s	Pan: 160°/s; Tilt: 60°/s
Compatibility	ONVIF Profile S, G & T; API	ONVIF Profile S, G & T; API	ONVIF Profile S, G & T; API
Audio In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	7/2	7/2	7/2
Ingress Protection	IP67	IP67	IP67
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)
Power	DC36V, Max. 67.5W	DC36V, Max. 61.6W	DC36V, Max. 60W
Artificial Intelligence			
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects
Auto Tracking	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported
Face Recognition	--	--	Supported
Face Detection	--	--	Supported






NETWORK PTZ CAMERAS

All-environment Series

	IR Positioning System	Anti-corrosion PTZ Camera		Anti-corrosion Camera	
Model	PTZ19245U-IRB-N (-B)	SD5A225XA-SL	SD60230U-HNI-SL	SDZW2030U-SL	SDZW2000T-SL
Appearance	 	 	 	 	 
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	3.95~177.7mm (45x Optical zoom)	5.4mm~135mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	3.6mm/F2.1, 6mm/F2.0
FOV-H	70.3°~1.8°	58.7°~3.1°	67.8°~2.4°	67.8°~2.4°	87° / 51°
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F2.1 (Color) 0Lux/F2.1 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	350m (1148ft)	150m (492 ft)	--	100m (328ft)	30m (98ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	1080P (1920×1080)	2MP (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	60fps@1080P	60fps@1080P	60fp@1080P	60fp@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless Tilt: 0°~360° endless (Effective angle: -55°~+223°)	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0°~360° endless Tilt: -20°~90°	--	--
Preset Speed	Pan: 120°/s; Tilt: 60°/s	Pan: 400°/s; Tilt: 300°/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	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	--
Alarm In/Out	7/2	2/1	7/2	2/2	--
Ingress Protection	IP68	IP67, IK10	IP68, IK10	IP68	IP68, IK10
Working Temperature	-50°C~+70°C (-58°F~+158°F) -40°C~+70°C (-40°F~+158°F) (-B Model)	-40°C~+70°C (-40°F~+158°F)	-40°C ~ +70°C (-40°F~+158°F)	-40°C ~ +70°C (-40°F~+158°F)	-40°C ~ +60°C (-40°F~+140°F)
Power	AC24V: Max. 80W AC24V(-B Model), Hi-PoE: Max. 40W	DC24V, PoE+(802.3at) Max. 20W	AC24V, PoE+(802.3at) Max. 20W	AC24V, DC12V, PoE+(802.3at) Max. 25W	DC12V, PoE(802.3af) Max. 5W
Artificial Intelligence					
Perimeter Protection	--	Tripwire, Intrusion (Human & Vehicle Classification), Object Abandoned, Object Missing	--	--	--
SMD Plus	--	Supported	--	--	--
Auto Tracking	--	Supported	--	--	--
Smart Capture	--	Supported	--	--	--
Face Detection	--	Supported	--	--	--

NETWORK PTZ CAMERAS

All-environment Series

	Explosion-proof Camera			Explosion-proof PTZ Camera			
Model	ECA3A1404-HNR-XB(-F)	ECA7A1425-HNR-XA-F	EPC230U	EPC245U-PTZ	EPC245U-PTZ-IR	EPC230U-PTZ	EPC230U-PTZ-IR
Appearance	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight	 H.265+ Starlight
Image Sensor	1/2.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Lens	2.8 mm~12 mm (4x Optical zoom)	5.4mm~135mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	3.95~177.7mm (45x Optical zoom)	3.95~177.7mm (45x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	91.9°~42.8°	59.8°~2.8°	67.8°~2.4°	70.3°~1.8°	70.3°~1.8°	67.8°~2.4°	67.8°~2.4°
Min. Illumination	0.005Lux/F1.8 (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)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131 ft)	100m (328 ft)	100m (328ft)	--	200m (656ft)	--	100m (328ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP (2560×1440)	4MP (2560×1440)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	30fps@4MP	30fps@4MP	60fp@1080P	60fps@1080P	60fps@1080P	60fp@1080P	60fp@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	--	--	--	Pan: 0°~360° endless Tilt: -90°~90°	Pan: 0°~360° endless Tilt: -90°~90°	Pan: 0°~360° endless Tilt: -90°~90°	Pan: 0°~360° endless Tilt: -90°~90°
Preset Speed	--	--	--	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s	Pan: 40°/s; Tilt: 40°/s
Intelligent Video	--	--	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	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP68	--	IP68	IP68	IP68	IP68	IP68
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V, PoE+(802.3at) Max. 9W	AC 100V~240V	AC220V (AC100V~240V), Hi-PoE Max. 25W	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W	AC220V (AC100V~240V) Max. 60W	AC220V (AC100V~240V) Max. 75W
Artificial Intelligence							
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	Tripwire, Intrusion (Human & Vehicle), Abandoned/Missing Objects	--	--	--	--	--
SMD Plus	Supported	Supported	--	--	--	--	--
Auto Tracking	--	--	--	--	--	--	--
Smart Capture	Supported	Supported	--	--	--	--	--
Face Detection	Supported	Supported	--	--	--	--	--