

NETWORK
CAMERAS



WizMind Series Network Camera

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



Perfect Performance

Adopts advanced AI technologies including deep learning algorithms.



AI Functions

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



Smart H.265+ & Smart H.264+

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











Excellent Image

Provides clear images with the help of Ultra WDR (140dB), Starlight+, and/or Full-color.

NETWORK CAMERAS






WizMind 7 Series

Box Camera

Model	IPC-HF71242F	IPC-HF7842F	IPC-HF7442F	IPC-HF7442F-FR
Appearance	  	   	    	    
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	C/CS	C/CS	C/CS	C/CS
FOV-H	--	--	--	--
Min. Illumination	0.01 Lux@F1.8	0.005 Lux@F1.5	0.001 Lux@F1.5	0.001 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR
WDR	DWDR	120dB	140dB	140 dB
Max. IR Distance	--	--	--	--
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	12MP (4000×3000)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	25/30fps@12MP	25/30fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	--	--	--	--
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
Audio In/Out	2/1, Built-in Mic	2/1, Built-in Mic	2/1, Built-in Mic	2/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	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: 1,000mA 30V DC/500mA 50V DC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	2 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	--	--	--	--
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/PoE (802.3af), Max. 12.7W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W	12V DC/24V AC/POE+ (802.3at), Max. 14.4W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
Privacy Protection	--	--	Supported	Supported
ANPR	Supported	Supported	Supported	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering
People Counting	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions
General Intelligence				
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object






WizMind 7 Series

Vari-focal Bullet

Model	IPC-HFW71242H-Z	IPC-HFW7842H-Z	IPC-HFW7842H-Z4	IPC-HFW7442H-Z	IPC-HFW7442H-ZFR
Appearance	 ePoE Wiz Mind 4K	 ePoE Wiz Mind 4K Starlight+	 ePoE Wiz Mind 4K Starlight	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+
Image Sensor	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens	8mm~32mm motorized lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens
FOV-H	103°~44°	114°~47°	40°~15°	114°~47°	114°~47°
Min. Illumination	0.01 Lux@F1.8	0.003 Lux@F1.2	0.005 Lux@F1.6	0.001 Lux@F1.2	0.001 Lux@F1.2
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	120dB	120dB	140dB	140 dB
Max. IR Distance	60m (196.9ft)	60m (196.9ft)	120m (393.70ft)	60m (196.9ft)	60m (196.9ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	12MP (4000x3000)	8MP (3840x2160)	8MP (3840x2160)	4MP (2688x1520)	4MP (2688x1520)
Frame Rate	25/30fps@12MP	25/30fps@8MP	25/30fps@8MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 3V~5V DC 2 channels out: 1,000mA 30V DC/ 500mA 50V DC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE+ (802.3at), Max. 19.32W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+(802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Privacy Protection	--	--	--	Supported	Supported
ANPR	Supported	Supported	Supported	Supported	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions				
General Intelligence					
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object



NETWORK CAMERAS

WizMind 7 Series

	Vari-focal Bullet		Vari-focal Dome		
Model	IPC-HFW7442H-Z4	IPC-HFW7442H-Z4FR	IPC-HDBW71242H-Z	IPC-HDBW7842H-Z	IPC-HDBW7842H-Z4
Appearance					
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.7" 12MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS
Lens	8mm~32mm motorized lens	8mm~32mm motorized lens	2.7mm~12mm motorized lens	2.7mm~12mm motorized lens	8mm~32mm motorized lens
FOV-H	40°~15°	40°~15°	103°~44°	114°~47°	40°~15°
Min. Illumination	0.001 Lux@F1.6	0.001 Lux@F1.6	0.01 Lux@F1.8	0.003 Lux@F1.2	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	140 dB	DWDR	120dB	120dB
Max. IR Distance	120m (393.70ft)	120m (393.70ft)	40m (131.23ft)	40m (131.23ft)	80m (262.5ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	4MP (2688x1520)	12MP (4000x3000)	8MP (3840x2160)	8MP (3840x2160)
Frame Rate	50/60fps@4MP	50/60fps@4MP	25/30fps@12MP	25/30fps@8MP	25/30fps@8MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 3V-5V DC 2 channels out: 1,000mA 30V DC/ 500mA 50V DC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/ 500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)	-40°C ~ +60°C (-40°F ~ +140°F)
Power	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 17.3W	12V DC/24V AC/POE+ (802.3at), Max. 19.32W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+(802.3at), Max. 16.7W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	--	--	--
ANPR	Supported	--	Supported	Supported	Supported
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions				
General Intelligence					
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object

WizMind 7 Series


Vari-focal Dome

Model	IPC-HDBW7442H-Z	IPC-HDBW7442H-ZFR	IPC-HDBW7442H-Z4	IPC-HDBW7442H-Z4FR
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm ~12mm motorized lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	8mm ~32mm motorized lens
FOV-H	114°~47°	114°~47°	40°~15°	40°~15°
Min. Illumination	0.001 Lux@F1.2	0.001 Lux@F1.2	0.001 Lux@F1.6	0.001 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR
WDR	140dB	140 dB	140dB	140 dB
Max. IR Distance	40m (131.23ft)	40m (131.23ft)	80m (262.5ft)	80m (262.5ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	4MP (2688x1520)	4MP (2688x1520)	4MP (2688x1520)
Frame Rate	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP	50/60fps@4MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
Audio In/Out	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	3 channels in: 5mA 5V DC; 2 channels out: 1000mA 30V; DC/500mA 50V AC	3 channels in: 5mA 5V DC; 2 channels out: 1000mA 30V; DC/500mA 50V AC	3 channels in: 5mA 5V DC; 2 channels out: 1000mA 30V; DC/500mA 50V AC	3 channels in: 5mA 5V DC; 2 channels out: 1000mA 30V; DC/500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
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)
Power	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W	12V DC/24V AC/POE+ (802.3at), Max. 16.7W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Recognition	Supported	Supported	Supported	Supported
Video Metadata	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	Supported	Supported
ANPR	Supported	--	Supported	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering
People Counting	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions
General Intelligence				
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object





NETWORK CAMERAS

WizMind 7 Series

Vari-focal Bullet

Model	IPC-HFW7442H-ZVH	IPC-HFW7442H-Z4VH	IPC-HFW7842H-ZVH	IPC-HFW7842H-Z4VH
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS
Lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens
FOV-H	114°~47°	40°~15°	114°~47°	40°~15°
Min. Illumination	0.001 Lux@F1.2	0.001 Lux@F1.6	0.003 Lux@F1.2	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR
WDR	140dB	140dB	120dB	120dB
Max. IR Distance	60m (196.9 ft)	120m (393.70 ft)	60m (196.9 ft)	120m (393.70 ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Supported	Supported	Supported	Supported
Max. Resolution	4MP (2688 × 1520)	4MP (2688 × 1520)	8MP (3840 × 2160)	8MP (3840 × 2160)
Frame Rate	50/60fps@4MP	50/60fps@4MP	25/30fps@8MP	25/30fps@8MP
Multi-streaming	5 streams	5 streams	5 streams	5 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
Audio In/Out	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	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC	3 channels in: 5mA 5V DC 2 channels out: 1000mA 30V DC/500mA 50V AC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)	-40°C ~ +65°C (-40°F ~ +149°F)
Power	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W	12V DC/24V AC/POE, Max. 17.3W
Artificial Intelligence				
ANPR	Supported	Supported	Supported	Supported
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering			
Video Metadata	Supported	Supported	Supported	Supported
Parking Space Management	Supported	Supported	Supported	Supported
Privacy Protection	Supported	Supported	--	--
General Intelligence				
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object







WizMind Special Series

	Dual-lens Camera		Corner Camera	Explosion Proof Dome
Model	IPC-HDW8341X-3D-S2	IPC-HDW8341X-BV-3D	IPC-HCBW8442	IPC-HDEW8441R-Z
Appearance				
Image Sensor	Two 1/2.8" 3MP CMOS	Two 1/2.8" 3MP CMOS	1/1.8" 4MP CMOS	1/2.7" 4MP CMOS
Lens	2.8mm fixed lens (3.6mm optional)	2.8mm fixed lens (3.6mm optional)	2.5mm fixed lens	2.7mm ~13.5mm motorized lens
FOV-H	96°/79°	96°/79°	135°	100.4°~30.2°
Min. Illumination	0.005 Lux @F1.6	0.005 Lux @F1.6	0.004 Lux@F2.0	0.005Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	140dB	120dB
Max. IR Distance	20m (65.6ft)	20m (65.6ft)	10 m (32.8 ft)	50 m (164.0 ft)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	3MP (2048x1536)	3MP (2048x1536)	4MP (2688x1520)	4MP (2688x1520)
Frame Rate	25/30fps@3MP	25/30fps@3MP	25/30 fps@4MP	25/30 fps@4MP
Multi-streaming	5 streams	5 streams	3 streams	3 streams
Pan/Tilt/Rotation	Tilt: 0°~70°	Tilt: 0°~70°	Vertical:-10°~+10°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP	ONVIF (Profile S/Profile G); CGI; Milstone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	2/1,Built-in Mic&Speaker	2/1,Built-in Mic&Speaker	1/1,Built-in Mic	3/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 3V~5V DC 2 channel Out: 1,000mA 30V DC/500mA 50V DC	2 channel In: 5mA 3V~5V DC 2 channel Out: 1,000mA 30V DC/500mA 50V DC	1 channel in: 5mA 3V~5V DC 1 channel out: 300mA 12V DC	3 channel in: 5mA 3V~5V DC 2 channel out: 300mA 12V DC
Ingress Protection	IP67, IK10	IP67, IK10	IP67; IK10+50J	IP68; IK10
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-40°C ~+60°C (-40°F~+140°F)
Power	12V DC/PoE (802.3af), Max. 10.6W	12V DC/PoE (802.3af), Max. 10.6W	12V DC/PoE, Max. 11.5W	12V DC/PoE, Max. 8.2W
Artificial Intelligence				
Face Detection	Supported	Supported	--	Supported
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	Tripwire, intrusion, (these two functions support the classification and accurate detection of vehicle and human targets); loitering detection, and people gathering	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering
People Counting	Support 4 tripwire number counting, 4 areas people counting, and 4 queue managements.	--	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions	Supports 4 tripwire number counting, 4-area people counting, and 4 queue management functions
Stereo Analysis	--	Fall detection, Strand detection, People approach, People NO. error detection, Violence detection	--	--
General Intelligence				
IVS	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object	Abandoned/Missing Object

NETWORK CAMERAS







WizMind 5 Series

Junction Box Housing

Model	IPC-HFW5842H-ZHE-S2	IPC-HFW5842H-Z4HE-S2	IPC-HFW5442H-ZE/ZHE	IPC-HFW5442H-Z4E	IPC-HFW5242H-ZE/ZHE-MF	IPC-HFW5242H-Z6E-MF
Appearance	 ePoE Wiz Mind 4K Starlight+	 ePoE Wiz Mind 4K Starlight+	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+
Image Sensor	1/1.8"8MP CMOS	1/1.8"8MP CMOS	1/1.8"4MP CMOS	1/1.8"4MP CMOS	1/1.8"2MP CMOS	1/1.8"2MP CMOS
Lens	2.7–12 mm motorized lens	8–32 mm motorized lens	2.7–12 mm motorized lens	8–32 mm motorized lens	2.7mm~18mm motorized lens	8–48 mm motorized lens
FOV-H	112°~48°	42°~15°	107°~44°	42°~15°	107°~33.9°	42°~10.9°
Min. Illumination	0.003 Lux@F1.2	0.004 Lux@F1.4	0.003Lux@F1.8	0.002 Lux@F1.6	0.003Lux@F1.8	0.002Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	140dB	140dB	140dB
Max. IR Distance	60m (196.85 ft)	120m (393.7ft)	60m (196.85ft)	120m (393.7ft)	70m (229.7ft)	140m (459.3ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25fps/30fps@8MP	25fps/30fps@8MP	25/30fps@4Mp	25/30fps@4Mp	50/60fps@1080P	50/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	3 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+60°C(-40°F ~ +140°F)	-40°C~+60°C(-40°F ~ +140°F)	-30°C~+60°C (-22°F~+140°F) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/POE+(802.3at), Max. 17.3W	12V DC/24V AC/POE+(802.3at), Max. 17.3W	DC12V, PoE (802.3af), Max. 11.6W (-ZE); DC12V, PoE (802.3af), Max. 11.6W (-ZHE)	DC12V, PoE (802.3af), Max. 11.6W	DC12V, PoE (802.3af), Max. 11.6W (-ZE); DC12V, PoE (802.3af), Max. 11.6W (-ZHE)	DC12V, PoE (802.3af), Max. 11.6W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard					
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering					
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection					
General Intelligence						
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind 5 Series


Junction Box Housing

Model	IPC-HDBW5842H-ZHE-S2	IPC-HDBW5842H-Z4HE-S2	IPC-HDBW5442H-ZE/ZHE	IPC-HDBW5442H-Z4E	IPC-HDBW5242H-ZE/ZHE-MF	IPC-HDBW5242H-Z6E-MF
Appearance	 4K Starlight+	 4K Starlight+	 DHOP Starlight+	 DHOP Starlight+	 DHOP Starlight+	 DHOP Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 2MP CMOS	1/1.8" 2MP CMOS
Lens	2.7~12.0 mm motorized lens	8~32 mm motorized lens	2.7~12 mm motorized lens	8~32 mm motorized lens	2.7mm~18mm motorized lens	8~48 mm motorized lens
FOV-H	112°~48°	42°~15°	107°~44°	42°~15°	107°~33.9°	42°~10.9°
Min. Illumination	0.003 Lux@F1.2	0.004 Lux@F1.4	0.003 Lux@F1.8	0.002 Lux@F1.6	0.003 Lux@F1.8	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120 dB	120dB	140dB	140dB	140dB	140dB
Max. IR Distance	40m (131.23 ft)	80m (262.5ft)	40m (131.2ft)	80m (262.5ft)	50m (164ft)	100m (328.1ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840×2160)	8MP (3840×2160)	4MP (2688×1520)	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)
Frame Rate	25 fps/30 fps@8MP	25fps/30fps@8MP	25/30fps@4Mp	25/30fps@4Mp	50/60fps@1080P	50/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~355° Tilt: 0°~80° Rotation: 0°~355°	Pan:0°~360°; Tilt:0°~90° Rotation:0°~360°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	3 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC	3 channel In: 5mA 5VDC 2 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40°C~+60°C(-40°F ~ +140°F)	-40°C~+60°C(-40°F ~ +140°F)	-30°C~+60°C (-22°F~+140°F) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F) (-ZE) -40°C+60°C (-40°F~+140°F) (-ZHE)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/POE+(802.3at), Max. 16.7W	12V DC/24V AC/POE+(802.3at), Max. 16.7W	DC12V, PoE (802.3af), Max. 11.9W(-ZE) DC12V, PoE (802.3af), Max. 11.9W (-ZHE)	DC12V, PoE (802.3af), Max. 11.9W	DC12V, PoE (802.3af), Max. 11.9W (-ZE) DC12V, PoE (802.3af), Max. 11.9W (-ZHE)	DC12V, PoE (802.3af), Max. 11.9W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard					
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering					
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection					
General Intelligence						
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

NETWORK CAMERAS

WizMind 5 Series

Box Camera

Model	IPC-HF5842F-ZE-S2	IPC-HF5541E-E	IPC-HF5442E-E	IPC-HF5241E-E	IPC-HF5242E-E-MF
Appearance	 ePoE Wiz Mind Starlight+	 ePoE Wiz Mind DHOP Starlight	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+	 ePoE Wiz Mind DHOP Starlight+
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	C/CS	C/CS	C/CS	C/CS	C/CS
FOV-H	--	--	--	--	--
Min. Illumination	0.005 Lux@F1.7	0.005 Lux@F1.7	0.002 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	120dB	140dB
Max. IR Distance	--	--	--	--	--
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2688x1520)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	25 fps/30 fps@8MP	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	50/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	--	--	--	--	--
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	3 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC	2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC
Ingress Protection	--	--	--	--	--
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	12V DC/24V AC/POE+(802.3af), Max. 9.5W	DC12V/AC24V, PoE (802.3af), Max. 9.2W	DC12V/AC24V, PoE (802.3af), Max. 9.2W	DC12V/AC24V, PoE (802.3af), Max. 9.5W	DC12V/AC24V, PoE (802.3af), Max. 9.2W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection				
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind 5 Series

Vari-focal Bullet

Model	IPC-HFW5842E-ZE-S2	IPC-HFW5842E-Z4E-S2	IPC-HFW5541E-ZE	IPC-HFW5541E-Z5E	IPC-HFW5442E-ZE/ZHE
Appearance					
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS
Lens	2.7mm ~12mm motorized lens	8mm ~32mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens
FOV-H	110.4°~45°	42°~15°	100°~28°(2592x1944) 104°~29°(2688x1520)	31°~9°(2592x1944) 32°~9°(2688x1520)	114°~47°
Min. Illumination	0.004 Lux@F1.4	0.004 Lux@F1.4	0.005 Lux@F1.5	0.003 Lux@F1.3	0.003 Lux@F1.8
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	140dB
Max. IR Distance	60m (196.9ft)	120m (393.7ft)	50m (164ft)	120m (394ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x 2160)	8MP (3840x 2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2688x1520)
Frame Rate	30fps@8MP	30fps@8MP	20fps@5Mp	20fps@5Mp	25/30fps@4Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
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) (-ZE) -40°C~+60°C (-40°F~+140°F) (-ZHE)
Power	DC12V, PoE (802.3af), Max. 7.9W	DC12V, PoE (802.3af), Max. 7.9W	DC12V, PoE (802.3af), Max. 10.9W	DC12V, PoE (802.3af), Max. 10.9W	DC12V, PoE (802.3af), Max. 10.9W (-ZE) DC12V, PoE+ (802.3at), Max. 15.2W (-ZHE)
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard				
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

NETWORK CAMERAS






WizMind 5 Series

Vari-focal Bullet

Model	IPC-HFW5442E-Z4E	IPC-HFW5241E-ZE/ZHE	IPC-HFW5241E-Z5E	IPC-HFW5241E-Z12E	IPC-HFW5242E-ZE-MF
Appearance					
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	8 mm~32 mm motorized lens	2.7mm~13.5mm motorized lens	7mm~35mm motorized lens	5.3 mm~64.0 mm motorized lens	2.7 mm~12.0 mm motorized lens
FOV-H	43°~15°	109°~30°	33°~10°	58°~4°	114°~47°
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.5	0.0015 Lux@F1.3	0.002 Lux@F1.5	0.003 Lux@F1.8
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	120dB	120dB	140dB
Max. IR Distance	120m (394ft)	50m (164ft)	120m (394ft)	150m (492ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	25/30fps@1080P	50/60 fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C(-22°F ~ +140°F) (-ZE) -40°C+60°C(-40°F ~ +140°F)(-ZHE)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af), Max. 10.9W	DC12V, PoE (802.3af),Max. 10.3W(-ZE) DC12V, PoE+(802.3at),Max. 14.6W(-ZHE)	DC12V, PoE (802.3af), Max. 10.3W	DC12V, PoE (802.3af), Max. 10.3W	DC12V, PoE (802.3af), Max. 10.9W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard				
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind 5 Series

Vari-focal Dome

Model	IPC-HDBW5842E-ZE-S2	IPC-HDBW5842E-Z4E-S2	IPC-HDBW5541E-ZE	IPC-HDBW5541E-Z5E	IPC-HDBW5442E-ZE/ZHE
Appearance					
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS
Lens	2.7 mm~12.0 mm motorized lens	8mm ~32mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7mm ~12mm motorized lens
FOV-H	110.4°~45°	42°~15°	100°~28° (2592x1944) ; 104°~29° (2688x1520)	31°~9° (2592x1944) ; 32°~9° (2688x1520)	114°~47°
Min. Illumination	0.004 Lux@F1.4	0.004 Lux@F1.4	0.005 Lux@F1.5	0.003 Lux@F1.3	0.003 Lux@F1.8
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	140dB
Max. IR Distance	40m (131ft)	80m (262.5ft)	40m (131ft)	80m (262ft)	40m (131ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	8MP (3840x 2160)	8MP (3840x 2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2688x1520)
Frame Rate	30fps@8MP	30fps@8MP	20fps@5Mp	20fps@5Mp	25/30fps@4Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	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) (-ZE) -40°C~+60°C (-40°F ~ +140°F) (-ZHE)
Power	DC12V/AC24V, PoE (802.3af), Max. 10.1W	DC12V/AC24V, PoE (802.3af), Max. 10.1W	DC12V/AC24V, PoE (802.3af) Max. 12.4W	DC12V/AC24V, PoE (802.3af) Max. 12.4W	DC12V/AC24V, PoE (802.3af) Max. 12.4W (-ZE) DC12V/AC24V, PoE+ (802.3at) Max. 18.7W (-ZHE)
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard				
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

NETWORK CAMERAS




WizMind 5 Series

Vari-focal Dome

Model	IPC-HDBW5442E-Z4E	IPC-HDBW5241E-ZE/ZHE	IPC-HDBW5241E-Z5E	IPC-HDBW5242E-ZE-MF	IPC-HDPW5541G-ZE
Appearance					
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/2.7" 5MP CMOS
Lens	8mm ~32mm motorized lens	2.7mm ~13.5mm motorized lens	7mm ~35mm motorized lens	2.7 mm~12.0mm motorized lrns	2.7mm~13.5mm motorized lens
FOV-H	43°~15°	109°~30°	33°~10°	114°~47°	100°~28°(2592×1944) 104°~29°(2688×1520)
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.5	0.0015 Lux@F1.3	0.003Lux@F1.8	0.005 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	120dB	140dB	120dB
Max. IR Distance	80m (262ft)	40m (131ft)	80m (262ft)	40m (131ft)	40m (131ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	5MP (2592×1944)
Frame Rate	25/30 fps@4Mp	25/30fps@1080P	25/30fps@1080P	50/60fps@1080P	20fps@5MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65° Rotation:0°~355°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	--
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F) (-ZE) -40°C~+60°C(-40°F ~ +140°F) (-ZHE)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	DC12V/AC24V, PoE (802.3af) Max. 12.4W	DC12V/AC24V, PoE (802.3af) Max. 11.8W (-ZE) DC12V/AC24V, PoE+ (802.3at) Max. 18W (-ZHE)	DC12V/AC24V, PoE (802.3af) Max. 11.8W	DC12V/AC24V, PoE (802.3af), Max. 12.4W	DC12V, PoE (802.3af), Max. 11W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard				
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map


WizMind 5 Series

Vari-focal Dome







Model	IPC-HDPW5442G-ZE	IPC-HDPW5241G-ZE	IPC-HDPW5242G-ZE-MF	IPC-HDW5842T-ZE-S2	IPC-HDW5541T-ZE
Appearance					
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS
Lens	2.7mm~12mm motorized lens	2.7mm~13.5mm motorized lens	2.7mm~12.0mm motorized lens	2.7 mm-12 mm motorized lens	2.7 mm-13.5 mm motorized lens
FOV-H	114°~47°	109°~30°	114°~47°	100°~28°(2592x1944)	100°~28° (2592x1944); 104°~29°
Min. Illumination	0.003 Lux@F1.8	0.002 Lux@F1.5	0.003Lux@F1.8	0.004 Lux @F1.4	0.005 Lux @F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	140dB	120dB	120dB
Max. IR Distance	40m (131 ft)	40m (131ft)	40m (131ft)	50m (164 ft)	40m (131.2ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	1080P (1920x1080)	1080P (1920x1080)	8MP (3840x2160)	5MP (2592x1944)
Frame Rate	25/30fps@4MP	25/30fps@1080P	50/60 fps@1080P	30fps@8MP	20fps@5MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~360° Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	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
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	--
Ingress Protection	--	--	--	IP67	IP67
Working Temperature	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)
Power	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 10.6W	DC12V, PoE (802.3af), Max. 11W	DC12V, PoE (802.3af), Max. 7.3W	DC12V, PoE (802.3af), Max. 7.7W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard				
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

NETWORK CAMERAS

WizMind 5 Series







	Vari-focal Eyeball			Fixed-focal Mini-Bullet
Model	IPC-HDW5442T-ZE	IPC-HDW5241T-ZE	IPC-HDW5242T-ZE-MF	IPC-HFW5541E-SE
Appearance				
Image Sensor	1/1.8"4MP CMOS	1/2.8"2MP CMOS	1/1.8"2MP CMOS	1/2.7" 5MP CMOS
Lens	2.7 mm-12 mm motorized lens	2.7 mm-13.5 mm motorized lens	2.7 mm-12 mm motorized lens	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	114°~47°	109°~30°	114°~47°	102°/84°/51°
Min. Illumination	0.003 Lux @F1.8	0.002 Lux @F1.5	0.003 Lux @F1.8	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR
WDR	140dB	120dB	140dB	120dB
Max. IR Distance	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	1080P (1920x1080)	1080P (1920x1080)	5MP (2592x1944)
Frame Rate	25/30fps@4MP	25/30 fps@1080P	50/60 fps@1080P	20fps@5Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-30° C ~ +60° C (-22° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	DC12V, PoE (802.3af), Max. 7.5W	DC12V, PoE (802.3af), Max. 6.9W	DC12V, PoE (802.3af), Max. 7.5W	DC12V, PoE (802.3af), Max. 6.8W
Artificial Intelligence				
Face Detection	Supported	Supported	Supported	Supported
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard			
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering			
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence				
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind 5 Series

	Fixed-focal Mini-Bullet			Fixed-focal Bullet		
Model	IPC-HFW5442E-SE	IPC-HFW5241E-SE	IPC-HFW5842T-ASE-S2	IPC-HFW5541T-SE	IPC-HFW5541T-ASE	IPC-HFW5442T-SE
Appearance						
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS
Lens	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/8mm/12mm)	2.8mm fixed lens (optional 3.6mm/6mm/8mm/12mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	113°/89°/56°	106°/87°/53°	111°/87°/55°	102°/84°/51°/38°/25°	102°/84°/51°/38°/25°	113°/89°/56°
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.6	0.004 Lux@F1.4	0.005 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	120dB	120dB	120dB	140dB
Max. IR Distance	50m (164ft)	50m (164ft)	50m (164 ft)	80m (262ft)	80m (262ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688x1520)	1080P (1920x1080)	8MP (3840x2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2688x1520)
Frame Rate	25/30fps@4Mp	25/30fps@1080P	30fps@8MP	20fps@5Mp	20fps@5Mp	25/30fps@4Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	--	--	1/1	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67	IP67	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.4W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.4W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	--	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering					
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection		Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection		Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	
General Intelligence						
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map





NETWORK CAMERAS

WizMind 5 Series

	Fixed-focal Bullet				Fixed-focal Dome	
Model	IPC-HFW5442T-ASE	IPC-HFW5241T-SE	IPC-HFW5241T-ASE	IPC-HFW5242T-ASE-MF	IPC-HDBW5842R-ASE-S2	IPC-HDBW5541R-S
Appearance						
Image Sensor	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS
Lens	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm/8mm/12mm)	2.8mm fixed lens (optional 3.6mm/6mm/8mm/12mm)	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	113°/89°/56°	106°/87°/53°/41°/26°	106°/87°/53°/41°/26°	113°/89°/56°	111°/87°/55°	102°/84°/51°
Min. Illumination	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.004 Lux@F1.4	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	140dB	120dB	120dB	140dB	120dB	120dB
Max. IR Distance	50m (164ft)	80m (262ft)	80m (262ft)	50m (164ft)	50m (164 ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	4MP (2688×1520)	1080P (1920×1080)	1080P (1920×1080)	1080P (1920×1080)	8MP (3840× 2160)	5MP (2592×1944)
Frame Rate	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	50/60 fps@1080P	30fps@8MP	20fps@5Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	--	1/1	1/1	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 8.3W	DC12V, PoE (802.3af), Max. 8.7W	DC12V, PoE (802.3af), Max. 9.5W	DC12V, PoE (802.3af), Max. 6.9W	DC12V, PoE (802.3af), Max. 5.2W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Lolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering					
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection		Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection		Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	
vGeneral Intelligence						
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind 5 Series

Fixed-focal Dome




Model	IPC-HDBW5541R-ASE	IPC-HDBW5442R-S	IPC-HDBW5442R-ASE	IPC-HDBW5241R-S	IPC-HDBW5241R-ASE	IPC-HDBW5242R-ASE-MF
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.8" 2MP CMOS
Lens	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)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	102°/84°/51°	113°/89°/56°	113°/89°/56°	106°/87°/53°	106°/87°/53°	113°/89°/56°
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	140dB	140dB	120dB	120dB	140 dB
Max. IR Distance	50m (164ft)	50m (164 ft)	50m (164 ft)	50m (164 ft)	50m (164 ft)	50m (164 ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592x1944)	4MP (2688x1520)	4MP (2688x1520)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	20fps@5Mp	25/30fps@4Mp	25/30fps@4Mp	25/30fps@1080P	25/30fps@1080P	50/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~75°; Rotation: 0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	1/1	--	1/1	--	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-40° C ~ +60° C (-40° F ~ +141° F)	-40° C ~ +60° C (-40° F ~ +142° F)	-40° C ~ +60° C (-40° F ~ +143° F)	-40° C ~ +60° C (-40° F ~ +144° F)	-40° C ~ +60° C (-40° F ~ +145° F)	-40° C ~ +60° C (-40° F ~ +140° F)
Power	DC12V, PoE (802.3af), Max. 6W	DC12V, PoE (802.3af), Max. 5.8W	DC12V, PoE (802.3af), Max. 6.1W	DC12V, PoE (802.3af), Max. 5W	DC12V, PoE (802.3af), Max. 5.5W	DC12V, PoE (802.3af), Max. 6.1W
Artificial Intelligence						
Face Detection	Supported	Supported	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering					
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence						
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

NETWORK CAMERAS

WizMind 5 Series






Fixed-focal Eyeball

Active Deterrence

Model	IPC-HDW5842TM-SE-S2	IPC-HDW5541TM-ASE	IPC-HDW5442TM-ASE	IPC-HDW5241TM-ASE	IPC-HDW5541H-AS-PV
Appearance	 Starlight+	 DHOP Starlight+	 DHOP Starlight+	 DHOP Starlight+	 Starlight
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS
Lens	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	111°/87°/55°	102°/84°/51°	113°/89°/56°	106°/87°/53°	102°/84°/51°
Min. Illumination	0.004 Lux@F1.4	0.005 Lux@F1.6	0.002 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	140dB	120dB	120dB
Max. IR Distance	50m (164 ft)	50m (164ft)	50m (164ft)	50m (164ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	5MP (2592x1944)	5MP (2592x1944)	4MP (2688x1520)	1080P (1920x1080)	5MP (2592x1944)
Frame Rate	20fps@5Mp	20fps@5Mp	25/30fps@4Mp	25/30fps@1080P	20fps@5Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	1/1, Built-in Mic, Built-in Speaker
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40° C ~ +60° C (-40° F ~ +145° F)	-40°C~+60°C (-40°F~+145°F)	-40°C~+60°C (-40°F~+146°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)
Power	DC12V, PoE (802.3af), Max. 7.8W	DC12V, PoE (802.3af), Max. 7.2W	DC12V, PoE (802.3af), Max. 7.2W	DC12V, PoE (802.3af), Max. 6.8W	DC12V, PoE (802.3af), Max. 7.2W
Artificial Intelligence					
Face Detection	Supported	Supported	Supported	Supported	--
Face Attributes	Supports 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Mustache & Beard	--	--	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map





WizMind 5 Series

Active Deterrence

Model	IPC-HDW5241H-AS-PV	IPC-HDW5541H-ASE-PV	IPC-HDW5241H-ASE-PV	IPC-HDBW5541R1-AS-PV	IPC-HDBW5241R1-AS-PV
Appearance	 Wiz Mind Starlight+	 Wiz Mind Starlight	 Wiz Mind Starlight+	 Wiz Mind Starlight	 Wiz Mind Starlight+
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 5MP CMOS	1/2.8" 2MP CMOS	1/2.7" 5MP CMOS	1/2.8" 2MP CMOS
Lens	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	106°/87°/53°	98°/80°/50°	106°/88°/54°	98°/80°/50°	106°/88°/54°
Min. Illumination	0.002 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6	0.005 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	50m (164ft)	50m (164ft)	50m (164ft)	50m (164ft)	50m (164ft)
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/H.264+
Max. Resolution	1080P (1920×1080)	5MP (2592×1944)	2MP (1920×1080)	5MP (2592×1944)	2MP (1920×1080)
Frame Rate	25/30fps@1080P	20fps@5Mp	25/30fps@1080P	20fps@5Mp	25/30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78°; Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~80°; Rotation: 0°~355°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI
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 Mic, Built-in Speaker
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	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, IK10	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V, PoE (802.3af), Max. 7W	DC12V, PoE (802.3af), Max. 8.7W	DC12V, PoE (802.3af), Max. 8.5W	DC12V, PoE (802.3af), Max. 8.6W	DC12V, PoE (802.3af), Max. 9.3W
Artificial Intelligence					
Face Detection	--	Supported	Supported	Supported	Supported
Face Attributes	--	--	--	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering				
People Counting		Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection
General Intelligence					
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map





NETWORK CAMERAS

WizMind 5 Series

	Active Deterrence		Full-color	
Model	IPC-HFW5541T-AS-PV	IPC-HFW5241T-AS-PV	IPC-HFW5849T1-ASE-LED	IPC-HFW5449T-ASE-LED
Appearance	 Wiz Mind Starlight	 Wiz Mind Starlight+	 Wiz Mind ePoE Full-color	 Wiz Mind ePoE Full-color
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/1.2" 8MP CMOS	1/1.8" 4MP CMOS
Lens	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)	2.8mm fixed lens (3.6mm, 6mm, 8mm optional)	2.8mm fixed lens (3.6mm optional)	2.8mm fixed lens (3.6mm/6mm optional)
FOV-H	102°/84°/51°/38°	106°/87°/53°/41°	112°/91°	107°/95°/58°
Min. Illumination	0.005 Lux@F1.6	0.002 Lux@F1.6	0.0005 Lux@F1.0	0.0005 Lux@F1.0
Day/Night	ICR	ICR	Color/B/W	Color/B/W
WDR	120dB	120dB	140dB	140dB
Max. IR Distance	60m (197ft)	60m (197ft)	--	--
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/H.264+	Smart H.265+/H.264+	Smart H.265+/Smart H.264+	Smart H.265+/Smart H.264+
Max. Resolution	5MP (2592×1944)	1080P (1920×1080)	8MP (3840 × 2160)	4MP (2688×1520)
Frame Rate	20fps@5Mp	25/30fps@1080P	1-25/30fps@8Mp	1-25/30fps@8Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan:0°~360°; Tilt:-20°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:-20°~90°; Rotation:0°~360°
Compatibility	ONVIF Profile S, G & T, CGI	ONVIF Profile S, G & T, CGI	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 Speaker	1/1, Built-in Speaker	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+147°F)	-40°C~+60°C (-40°F~+140°F)/Less than 95% RH	-40°C~+60°C (-40°F~+140°F)/Less than 95% RH
Power	DC12V, PoE (802.3af), Max. 8.5W	DC12V, PoE (802.3af), Max. 8.3W	DC12V, PoE (802.3af), Max. 12.3W	DC12V, PoE (802.3af), Max. 8.4W
Artificial Intelligence				
Face Detection	--	--	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting; face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting	
Face Attributes	--	--	--	--
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering			
People Counting	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports People Counting (Line Crossing, Region, Queuing); Supports 4-access independent detection, and 4-area independent detection	Supports counting of people entering, leaving and passing; Supports yearly/monthly/weekly/daily reports; Supports people counting by area, queue management and 4-rule configuration of the number of people or their stay time with alarm linkage.	Supports counting of people entering, leaving and passing; Supports yearly/monthly/weekly/daily reports; Supports people counting by area, queue management and 4-rule configuration of the number of people or their stay time with alarm linkage.
General Intelligence				
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map










WizMind 5 Series

Full-color

Model	IPC-HFW5449T1-ZE-LED	IPC-HDBW5449R1-ZE-LED	IPC-HDBW5449R-ASE-LED	IPC-HDW5449TM-SE-LED
Appearance				
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Lens	2.7 mm-12 mm	2.7 mm-12 mm	2.8mm fixed lens (optional 3.6mm/6mm)	2.8mm fixed lens (optional 3.6mm/6mm)
FOV-H	115°-48°	115°-48°	107°/95°	107°/95°
Min. Illumination	0.0005 Lux@F1.0	0.0005 Lux@F1.0	0.0005 Lux@F1.0	0.0005 Lux@F1.0
Day/Night	Color/B/W	Color/B/W	Color/B/W	Color/B/W
WDR	140dB	140dB	140dB	140dB
Max. IR Distance	--	--	--	--
Video Compression	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H	H.265/H.264/H.264B/H.264H
Smart Codec	Smart H.265+/Smart H.264+	Smart H.265+/Smart H.264+	Smart H.265+/Smart H.264+	Smart H.265+/Smart H.264+
Max. Resolution	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)	4MP (2688×1520)
Frame Rate	1-25/30fps@4Mp	1-25/30fps@4Mp	1-25/30fps@4Mp	1-25/30fps@4Mp
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:-20°~90°; Rotation:0°~360°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	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 Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Ingress Protection	IP67	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)/Less than 95% RH	-30°C~+60°C (-22°F~+140°F)/Less than 95% RH	-40°C~+60°C (-40°F~+140°F)/Less than 95% RH	-40°C~+60°C (-40°F~+140°F)/Less than 95% RH
Power	DC12V, PoE (802.3af), Max. 12.5W	DC12V, PoE (802.3af), Max. 12.2W	DC12V, PoE (802.3af), Max. 7.8W	DC12V, PoE (802.3af), Max. 7.9W
Artificial Intelligence				
Face Detection	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting; face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting		Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting; face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting	
Face Attributes	--		--	
Perimeter Protection	Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering		Tripwire, intrusion, fast moving (these three functions support the classification and accurate detection of vehicle and human targets); parking detection, loitering detection, and people gathering	
People Counting	Supports counting of people entering, leaving and passing; Supports yearly/monthly/weekly/daily reports; Supports people counting by area, queue management and 4-rule configuration of the number of people or their stay time with alarm linkage.		Supports counting of people entering, leaving and passing; Supports yearly/monthly/weekly/daily reports; Supports people counting by area, queue management and 4-rule configuration of the number of people or their stay time with alarm linkage.	
General Intelligence				
IVS	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map	Abandoned/Missing Object Heat Map

WizMind Panoramic Series

Panoramic

Model	IPC-PSDW83242M-A360-D845L		IPC-PSDW81642M-A360-D440		IPC-PSDW8842M-A180-D440	
Appearance	  		  		  	
	Panoramic	PTZ	Panoramic	PTZ	Panoramic	PTZ
Image Sensor	Eight 1/1.8" 4MP CMOS		Eight 1/1.8" 2MP CMOS		Four 1/1.8" 2MP CMOS	
Lens	2.8mm/F1.6		5.0mm/F2.0		5.0mm/F2.0	
FOV-H	360°		360°		180°	
Min. Illumination	0.001 Lux@F1.6 (Color,30IRE); 0.0001 Lux@F1.6 (B/W,30IRE)		Color: 0.005Lux@F2.0; B/W: 0.0005Lux@F2.0		Color: 0.005Lux@F2.0; B/W: 0.0005Lux@F2.0	
Max. IR Distance	--		--		--	
Day/Night	ICR		ICR		ICR	
WDR	120dB		120dB		120dB	
Video Compression	H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG		H.265/H.264/H.264B/H.264H/MJPEG	
Smart Codec	Smart H.265+/H.264+		Smart H.265+/H.264+		Smart H.265+/H.264+	
Resolution	2*(5520x2700)		(8192x1800)		(4096x1800)	
Frame Rate	30fps@2*(5520x2700)		30fps@ (8192x1800)		30fps@ (4096x1800)	
Multi-streaming	3 streams		3 streams		3 streams	
Pan/Tilt/Rotation	--		--		--	
Intelligent Video	Tripwire, Intrusion, Scene Change, Crowd Map, Vehicle Density		Tripwire, Intrusion, Scene Change, Crowd Map		Tripwire, Intrusion, Scene Change, Crowd Map	
Dewarping Mode	--		--		--	
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI;		ONVIF (Profile G/T/S); GB/T28181; CGI		ONVIF (Profile G/T/S); GB/T28181; CGI	
Audio In/Out	2/2		2/2		2/2	
Memory Slot	Micro SD, Max. 512GB		Micro SD, Max. 512GB		Micro SD, Max. 512GB	
Alarm In/Out	7/3		7/3		7/3	
Ingress Protection	IP66		IP66		IP66	
Working Temperature	-40°C~+70°C (-40°F~+158°F)		-40°C ~ +70°C (-40°F~+158°F)		-40°C ~ +70°C (-40°F~+158°F)	
Power	DC36V, Max. 71.9W		DC36V, Max. 84.4W		DC36V, Max. 77.7W	