



DH-IPC-HDBW5442R-ASE

4MP IR Fixed-focal Vandal-proof Dome WizMind Network Camera









Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS,NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive Al solutions for verticals.

Series Overview

Driven by deep learning algorithms, Dahua WizMind S Series network camera offers a variety of intelligent functions that greatly improve the accuracy of audio and video analysis. It supports video metadata, smart sound detection, face detection, perimeter protection, people counting and more. The camera also adopts advanced image processing Al ISP technology and has the Deeplight night vision effect. The camera is dustproof, waterproof and vandal-proof, and is certified as IP67 and IK10 (the type of protection varies depending on the model).

Functions

AI-ISP

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Self-Learning

Empowered by deep learning technology, the device recognizes different types of targets and their statuses through learning and analyzing target features to detect targets and filter out false alarms.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

AcuPick

This industry-leading search technology effectively utilizes both frontend and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

- * The parameters and datasheets below can only be applied to 5442-ASE-S3 series.
- 4-MP 1/1.8" CMOS image sensor, low luminance, and high definition
- Outputs max. 4 MP (2688×1520) @25/30fps
- Built-in IR LED, and the max. illumination distance is 50 m.
- ROI, SVC, SMART H.264+/H.265+, AI H.264/H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- · With deep learning algorithm, it supports: video metadata, smart sound detection, IVS, face detection, smart object detection, and people counting, etc.
- · Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 1 TB Micro SD card, built-in MIC.
- 12 VDC/PoE power supply; ePoE.
- IP67 and IK10 protection.
- SMD 3.0.













People Counting

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs reports to meet your requirements.

Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

Protection (IP67, IK10, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification				Smart Object Detection	Smart abandoned object; smart missing object			
Camera							SMD	SMD 3.0
Image Sense	or	1/1.8" CMOS					AcuPick	Uses deep learning algorithms and works with back-end devices to accurately match targets, such as people, animal, and motor vehicles, and search through live and recorded videos to quickly locate targets.
Max. Resolution		2688 (H) × 1520 (V)						
ROM		4 GB					AI SSA	Yes
RAM		1 GB						Face detection; track; snapshot; snapshot optimization;
Scanning Sy	rstem	Progressive					Face Detection	optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expressions; face snapshot set as face, one-inch photo or custom; snapshot strategies (real-time
Electronic S	hutter Speed	Auto/Manual 1/3 s-1/100,000 s						
Min. Illumination		0.0007 lux@F1.6 (Color, 30IRE) 0.0004 lux@F1.6 (B/W, 30IRE) 0 lux (Illuminator on)						snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting. Tripwire people counting, generating and exporting
S/N Ratio		>56 dB					People Counting	report (day/week/month/year); people counting in area and queue management, generating and exporting
Illumination	n Distance	Up to 50 m (164.04 ft) (IR)						report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management.
Illuminator	On/Off Control	Auto; Manual					Heat Map	Yes
		2 (IR LED)						Motor vehicle, non-motor vehicle, face, human body
Illuminator Number Angle Adjustment		Pan: 0°–355° Tilt: 0°–80° Rotation: 0°–355°					Video Metadata	detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling.
Lens							video ivietadata	Non-motor vehicle attributes: type, color, number of people, top type and color, hat.
Lens Type		Fixed-focal						Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face
Lens Mount	t	M12						mask and beard. Work together with Smart NVR to perform refine
Focal Lengt Max. Aperti		2.8 mm; 3.6 mm; 6 mm F1.6					Smart Search	intelligent search, event extraction and merging to event videos
. , , , ,		20 11 4	428 1/ 508 5	4.209			Smart Sound Detection	Yes
Field of Viev	w	2.8 mm: H: 112°; V: 58°; D: 139° 3.6 mm: H: 88°; V: 50°; D: 102° 6 mm: H: 61°; V: 35°; D: 69°					Video	
Iris Control		Fixed					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
		3.0 mm, 1.2 m // 37.ft\					Smart Codec	Smart H.265+; Smart H.264+
Close Focus	Distance	2.8 mm: 1.3 m (4.27 ft) 3.6 mm: 1.5 m (4.92 ft) 6 mm: 3.0 m (9.84 ft)					Al Coding	AI H.265; AI H.264
	Lens	Detect	Observe	Recognize	Identify		Video Frame Rate	Main stream: $2688 \times 1520 \text{ (1 fps-25/30 fps)} / 1920 \times 1080 \text{ (1 fps-50/60 fps)}$ Sub stream: $D1@(1-25/30 \text{ fps)}$ Third stream: $D1@(1-25/30 \text{ fps)}$ Fourth stream: $D1@(1-25/30 \text{ fps)}$ *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
	2.8 mm	61.5 m (201.77 ft)	24.6 m (80.71 ft)	12.3 m (40.35 ft)	6.2 m (20.34 ft)			
	3.6 mm	67.6 m (221.78 ft)	27.0 m (88.58 ft)	13.5 m (44.29 ft)	6.8 m (22.31 ft)			
DORI	6 mm	96.6 m	38.6 m	19.3 m	9.7 m		Stream Capability	4 streams
Distance	(EN-62676-4) f	or defining the	ability of a per	-	e		Resolution	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
		video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and					Bit Rate Control	CBR/VBR
1 1 11:	commissioning	g manual/project design tool.					Video Bit Rate	H.264: 32 kbps–16384 kbps H.265: 12 kbps–11008 kbps
Intelligence		Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of					Day/Night	Auto(ICR)/Color/B/W
							BLC	Yes
IVS (Perimeter Protection)		vehicle, animal and human); loitering detection, people gathering, parking detection. Supports long- distance					HLC	Yes

gathering, parking detection. Supports long- distance mode. Supports self-learning, it filters out false alarms.

Scene Self-adaptation (SSA) White Balance Auto: natural; street lamp; outdoor; manual; regional custom Auto Noise Reduction Auto Noise Reduction OFF/ON (4 areas, rectangular) Region of Interest (RoI) Smart Illumination Ves Perfog Yes Image Rotation Defog Yes Privacy Masking B areas LDC Yes (anly 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection, yeelog teathering; parking detection; seen echanging; audio detection; voltage detection; scene changing; audio detection; people counting; people counting; neared actestion; voltage detection; scene changing; audio detection; voltage detection; voltage detection; scene changing; audio detection; voltage detec						
White Balance Auto; natural; street lamp; outdoor; manual; regional custom Gain Control Auto Noise Reduction Auto Motion Detection OFF/ON (4 areas, rectangular) Region of Interest (Rol) Yes (4 areas) Smart Illumination Yes Defog Ves Image Rotation D**/90*/180*/270* (Support 90*/270* with 4M (2688 × 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection, wide tampering; tripwire; intrusion; fast moving; abandoned object; loisering detection; seen changing; audio detection; voltage detection; seen changing; audio detection; voltage detection; seen changing; audio detection; people counting; people number error detection; queue people number alarm; face detection; queue people number alarm; face detection; queue people number alarm; face detection; people submering; bring detection; seen changing; audio detection; voltage detection; seen with a submitted people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Network Protocol IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMF; FTP; SFTP; DHCP; ONS; DDNS; CoS; UPnP; NTP; Multicast; (CMP; IGMP; NFS; SAMBA; PPPoG; SMMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE; IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockot; Syslog; 802.1 bot; Generation and Importing of	WDR	140 dB				
Gain Control Auto Noise Reduction Auto Noise Reduction OFF/ON (4 areas, rectangular) Region of Interest (Rol) Yes (4 areas) Smart Illumination Yes Defog Yes Image Rotation O*/90*/180*/270* (Support 90*/270* with 4M (2688 × 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object, missing object; foltering detection; people gathering, parking detection; scene changing; audio detection; video tempering; tripwire intrusion; fast moving; abandoned object; missing object; foltering detection; people counting; people counting in area; stay detection; people counting; people cumber error detection; queue people number alarm; face detection; video unexpection Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; IcMP; IGMP; NFS; SAMBA, PPPoE; SMMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP, Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Management Software Mobile Client IOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslogs, 802.1x; Il/NAC filtering; HTTPS; Trusted bock; Generation and importing of	•	Yes				
Motion Detection OFF/ON (4 areas, rectangular) Region of Interest (Rol) Yes (4 areas) Smart Illumination Yes Defog Yes Image Rotation O''90''180''/270" (Support 90"/270" with 4M (2688 × 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; seene changing; audio detection; voltage detection; seene changing; audio detection; voltage detection; external alarm; face detection; people gathering; parking detection; seene changing; audio detection; people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; STP; DHCP; DMS; DONS; QoS; UPnP; NTP; Multicast; LGMP; IGMP; NFS; SAMBA; PPDE; SMMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox. Firefox 88 and later Management Software Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted box; Generation and importing of	White Balance					
Motion Detection OFF/ON (4 areas, rectangular) Region of Interest (RoI) Yes (4 areas) Smart Illumination Yes Defog Yes Image Rotation 0'/90"/180"/270" (Support 90"/270" with 4M (2688 x 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object, missing object, loitering detection; people gathering; parking detection; seene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD, people counting in area; stay detection; people number alarm; queue time alarm; security exception Network Network Port RI-45 (10/100 Enhancement Base-T) SDK and API Yes Metwork Protocol Prip; SFTP; DHCP; DMS; DDNS; QoS; UPnP, NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SMMP; PEP; SFTP; SHCP; GMP; NFS; SAMBA; PPPOE; SMMP; PEP; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 8a and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client IOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockour; Syslogs 802.1x; IP/MAC filtering; HTTP; Tusted boy; Generation and importing of	Gain Control	Auto				
Region of Interest (RoI) Smart Illumination Pes Defog Yes Image Rotation O"/90"/180"/270" (Support 90"/270" with 4M (2688 × 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection, voltage detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Tusted upgrade; Trusted box; Generation and importing of	Noise Reduction	3D NR				
Defog Yes	Motion Detection	OFF/ON (4 areas, rectangular)				
Image Rotation O'/90*/180*/270* (Support 90*/270* with 4M (2688 × 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict, illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voideo metadata; SMD; people counting in area; stay detection; people counting; nearm; queue time alarm; security exception Network Network Port RI-45 (10/100 Enhancement Base-T) SDK and API Yes IPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; (CMP); IGMP; NFS; SAMBA; PPPOE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host Province Chrome 102 and later FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Friefox: Firefox 88 and later Management Software Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boxt; Generation and importing of	Region of Interest (RoI)	Yes (4 areas)				
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Mirror Yes Privacy Masking 8 areas LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object, missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes Network Protocol Py-4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; QoS; UPnP, NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client Iockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Defog	Yes				
Privacy Masking LDC Yes (only 2.8mm/3.6mm supports) Audio Built-in MIC Audio Compression Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; video metadata; SMD; people counting in area; stay detection; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTF; SFTP; DHCP; DNS; DNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Image Rotation					
Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; exernal alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DMS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Security upgrade; Trusted doot; Generation and importing of	Mirror	Yes				
Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; opeople gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; IGMP; NFS; SAMBA; PPPoE; SMMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome: 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Privacy Masking	8 areas				
Built-in MIC Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DMS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	LDC	Yes (only 2.8mm/3.6mm supports)				
Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Management Software Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Audio					
Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; scene changing; audio detection; voltage detection; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS Browser Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Management Software SmartPSS Lite; DSS; DMSS Mobile Client Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Built-in MIC	Yes				
No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; STFP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723				
disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception Network Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes IPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Alarm					
Network Port RJ-45 (10/100 Enhancement Base-T) SDK and API Yes Network Protocol IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS Browser IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Security Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Alarm Event	disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm;				
SDK and API Yes IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Network					
IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register	Network Port	RJ-45 (10/100 Enhancement Base-T)				
Network Protocol SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P; Auto Register Interoperability ONVIF (Profile S/Profile G/Profile T/Profile M); CGI User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS Browser IE: IE 9 and later Chrome: Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Security Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	SDK and API	Yes				
User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Network Protocol	SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P;				
Storage FTP; SFTP; Micro SD card (support max. 1 TB); NAS IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Interoperability	ONVIF (Profile S/Profile G/Profile T/Profile M); CGI				
Browser IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	User/Host	20 (Total bandwidth: 80 M)				
Browser Chrome: Chrome: 102 and later Firefox: Firefox 88 and later Management Software SmartPSS Lite; DSS; DMSS Mobile Client iOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Storage	FTP; SFTP; Micro SD card (support max. 1 TB); NAS				
Mobile Client IOS; Android Trusted execution; Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Browser	Chrome: Chrome 102 and later				
Trusted execution;Digest; Security logs; WSSE; Account lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Management Software	SmartPSS Lite; DSS; DMSS				
Security lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of	Mobile Client	iOS; Android				
	Security	lockout; Syslog; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Generation and importing of				

Certification					
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14				
Port					
Audio Input	1 channel (RCA port)				
Audio Output	1 channel (RCA port)				
Alarm Input	1 channel in: wet contact, 5mA 3V–5V DC				
Alarm Output	1 channel out: wet contact, 300mA 12V DC				
Power					
Power Supply	12 VDC/PoE (802.3af)/ePoE				
Dual Power Backup	When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.				
Power Consumption	Basic: 4.1 W (12 VDC); 5.2 W (PoE) Max. (H.265 + WDR+ Intelligence on + IR on): 6.8 W (12 VDC); 8.8 W (PoE)				
Environment					
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Operating Humidity	≤95%				
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Storage Humidity	10%–95% (RH), non-condensing				
Protection	IP67; IK10				
Structure					

Metal

712.9 g (1.57 lb)

986 g (2.17 lb)

94.0 mm × Φ122.0 mm (3.70" × Φ4.80")

Ordering Information					
Туре	Model	Description			
4MP	DH-IPC-HDBW5442R-ASE	4MP IR Fixed-focal Vandal-proof Dome WizMind Network Camera			
Camera	IPC-HDBW5442R-ASE	4MP IR Fixed-focal Vandal-proof Dome WizMind Network Camera			
	PFA137	Junction Box			
	PFB206W	Wall Mount Bracket			
	PFA109	Mount adapter			
Accessories	PFB220C	Ceiling Mount Bracket			
(Optional)	PFA156	Pole Mount Bracket			
	PFM321D	12 VDC 1 A Power Adapter			
	PFM900-E	Integrated Mount Tester			
	TF-P100	MicroSD Memory Card			

Casing Material

Net Weight

Gross Weight

Product Dimensions

Accessories

Optional:







PFB206W Wall Mount Bracket



PFA109 Mount adapter



PFB220C Ceiling Mount Bracket



PFA156 Pole Mount Bracket



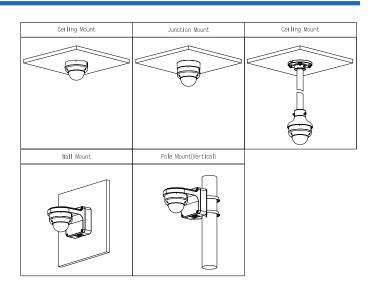
PFM321D 12 VDC 1 A Power Adapter



PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card



Dimensions (mm[inch])

