



DH-IPC-HDBW5842H-Z4HE-S2

8 MP IR Vari-focal Dome WizMind Network Camera







Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, 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 AI solutions for verticals.

Series Overview

With starlight solution and deep learning algorithm, Dahua WizMind 5 Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis.

Functions

Face Detection

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

Face Attributes

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

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.

- 8-MP 1/1.8" CMOS image sensor, low luminance, and high definition
- Outputs max. 8 MP (3840 × 2160) @30 fps.
- · Max. IR distance: 80 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- · Alarm: 3 in, 2 out; audio: 1 in, 1 out; RS-485, BNC, power output; supports max. 256 G Micro SD card.
- 24 VAC/12 VDC/PoE power supply.
- ePoE, IP67, IK10 protection.
- SMD 3.0.
- · Anti-corrosion model optional.













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 yearly/monthly/daily reports to meet your requirements.

Dahua's innovative ePoE technology offers a new solution to transmit power and data over long distances between cameras and network switch, allowing more flexible design of surveillance system, improving reliability, reducing installation time and saving money. ePoE technology encompasses pure network systems where a single CAT6 cable can carry signals up to 300 m (984 ft) at 100 Mbps, 800 m (2625 ft) at 10 Mbps.

Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

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 works normal 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 $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/1.8"CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.004 lux@F1.4 (Color, 30 IRE) 0.0004 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	80 m (262.47 ft)
Illuminator On/Off Control	Auto; manual; zoomprio
Illuminator Number	3 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–80° Rotation: 0°–355°

Lens

Lens Type		Motorized vari-focal			
Mount Type		Module			
Focal Length		8 mm-32 mn	n		
Max. Apertu	re	F1.4			
Field of View		Horizontal: 42 Vertical: 23.3 Diagonal: 48.	°–8.6°		
Iris Control		Hall			
Close Focus I	Distance	W: 3 m (9.84 ft) T: 5.5 m (18.04 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	213.6 m (700.8 ft)	85.4 m (280.2 ft)	42.7 m (140.1 ft)	21.4 m (70.2 ft)
	Т	572.8 m (1879.3 ft)	229.1 m (751.6 ft)	114.6 m (376.0 ft)	70.2 m (188.0 ft)

Smart Event

IVS	Abandoned object; missing object
Heat Map	Yes

Professional, intelligent			
IVS (Perimeter Protection)	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection		
SMD 3.0	Less false alarm, longer detection distance		
Face Detection	Face detection; track; snapshot optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimized snapshot, quality priority snapshot; face angle filter; optimization time setting		
People Counting	Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.		
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.		
Video			
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)		
Smart Codec	Smart H.265+; Smart H.264+		
Al Coding	AI H.265; AI H.264		
	Main stream: 3840x 2160 /1 fps=25/30 fps)		

memgene searen	videos.
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Al Coding	AI H.265; AI H.264
Video Frame Rate	Main stream: 3840×2160 (1 fps-25/30 fps) Sub stream: D1 (1 fps-25/30 fps) Third stream: $1080p$ (1 fps-25/30 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.
Stream Capability	3 streams
Resolution	3840 × 2160; 3072 × 2048; 3072 × 1728; 2592 × 1944; 2688 × 1520; 2048 × 1536; 2304 × 1296; 1080p (1920 × 1080); 1.3 MB (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 kbps-20480 kbps H.265: 3 kbps-20480 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes



mage Rotation Airror Ves Privacy Masking Audio Audio Compression PCM; G.711a; G.711Mu; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; ripwire; abandoned object; missing object, fast moving; parking detection; cene changing; intrusion; ripwire; parking detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management Network Port RI-45 (10/100 Base-T) SDK and API Ves Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and WSSE; account lockout; security logs; generation and wisse; people of trusted execution; trusted upgrade IPv4; IPv6, HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMP; FTP; SFTP; DHCP; DNS; DNS; QoS; UPPP, NTP; Multicast; (CMP; IGMP; NES; SAMBA; PPPoE; SJL; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS #E-IBS and later Chrome Firefox Management Software Management Software Management Software Mobile Client CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC; 47 CFR FCC Part 15, Subpart B UI/CUI: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL S0E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Audio Output 2 channels out: 1,000 ma 30 VDC/500 ma 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±3 MC; 44 MC; 44 MC; 44 MC; 44 MC; 44 MC; 44 MC;		
Audio Compression PCM; G.711a; G.711Mu; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict, illegal access; motion detection, video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast mowing; pating detection; piceola detection; people gathering; input abnormal detection; people detection; people detection; people counting fine detection; people detection; people detection; people counting fine area; stay alarm; people No. exception detection; queue management Network Network Port R.9-45 (10/100 Base-T) SDK and API Yes Cyber Security Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade Peva; IPPG; HTTP; HTTPS; TCP; DIDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; STP; DICP; DNS; DINS; QoS; UPP, NPP; MIDICast; LCMP; IGMP; NFS; SAMBA; PPPOE; SO2.1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IEB and later Chrome Chrome Chrome Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU 2014/30	Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with 4 M resolution and lower)
Audio Compression PCM; G.711a; G.711Mu; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection, such cathering; input abnormal detection; seen changing; intrusion; tripwire; abandoned object; missing object; fast movings parking detection; lotering detection; people gathering; input abnormal detection; intensity change detection; people counting in area; stay alarm; people No. exception detection; people counting in area; stay alarm; people No. exception detection; queue management Network Network Port RJ-45 (10/100 Base-T) SDK and API Yes Cyber Security Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTP; RTCP; RTP; RTP; RTP; RTP; RTP; RTP; RTP; RT	Mirror	Yes
Audio Compression PCM; G.711a; G.711Mu; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; niessing object; fast moving; parking detection; oltering detection; people gathering; input abnormal detection; intensity change detection; people counting in area; stay alarm; people No. exception detection; queue management Network Network Port RJ-45 (10/100 Base-T) SDK and API Yes Cyber Security Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted usgrade PPv4; IPv6; HTP; HTTPS; TCP; UDP; APP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QDS; UPnP; NTP; Multicast; ICMP; IGMP; NTS; SAMBA; PPPoE; SUZ-1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CRF FCC Part 15, Subpart B U/CPU: ULG0950-1 CAN/CSA C22.2 No.60950-1-07, UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Audio Output 2 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (POE) Max. (H,265 + 3 stream + Al + IR on + heating): 15.2 W (Max. (H,265 + 3 stream + Al + IR on + heating): 15.2 W (Max. (H,265 + 3 stream + Al + IR on + heating): 15.2 W (Max. (H,265 + 3 stream + Al + IR on + heating): 15.2 W (Max. (H,265 + 3 stream + Al + IR on + heating): 15.2 W (Max. (H,265 + 3 stream + A	Privacy Masking	8 areas
Alarm No SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; lottering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management Network Network Port RJ-45 (10/100 Base-T) SDK and API Yes Cyber Security Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.590 certification; HTTPS; trusted boot; trusted execution; trusted upgrade IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTP; RTCP; RTP; RTCP; RTP; RTCP; RTP; RTP; RTCP; RTP; RTP; RTP; RTP; RTP; RTP; RTP; RT	Audio	
No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; ideo tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; lotiering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management Network Port RJ-45 (10/100 Base-T) SDK and API Yes Cyber Security Video encryption; configuration encryption; Digest; Wideo encryption; Digest; Wide	Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
disconnection; IP conflict; Illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object, missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people detection; people detection; people detection; people counting; face detection; people detection; peo	Alarm	
Network Port SDK and API Yes Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted execution; trusted upgrade Pev4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UDPP, NTP; Multicast; ICMP; IGMP; NNS; SAMBA; PPPDE; 802.1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client IOS; Android Certification Certi	Alarm Event	disconnection; IP conflict; illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people
Cyber Security Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade IP44; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; DOS; DDNS; DDNS	Network	
Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DMS; DDNS; DoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client IOS; Android Certification Certification Certification Certification Certification Certification Certification Certification Certification 1	Network Port	RJ-45 (10/100 Base-T)
Cyber Security WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; 802.1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client OE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU 2014/30/EU FCC: 47 CRR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07, UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps—115200 bps) Audio Input 1 channel (terminal) Alarm Input 3 channels in: 5mA 3—5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 4.1 W (PoE)	SDK and API	Yes
Network Protocol RTCP; RTMP; SMTP; ETTP; DHCP; DNS; DDNS; QOS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; 802.1x; SNMP Interoperability ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS Browser IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client iOS; Android Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07, UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (POE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (POE)	Cyber Security	WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot;
User/Host 20 (Total bandwidth: 80 M) Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client iOS; Android Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps—115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 2 channels in: 5mA 3—5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Network Protocol	RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE;
Storage FTP; SFTP; Micro SD card (Support max. 256 G); NAS IE: IE8 and later Chrome Firefox	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P
Browser Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client iOS; Android Certification Certification Certifications CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	User/Host	20 (Total bandwidth: 80 M)
Browser Chrome Firefox Management Software Smart PSS; DSS; DMSS Mobile Client iOS; Android Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Storage	FTP; SFTP; Micro SD card (Support max. 256 G); NAS
Mobile Client Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL S0E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Browser	Chrome
Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Management Software	Smart PSS; DSS; DMSS
Certifications CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Mobile Client	iOS; Android
Certifications CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL 50E NEMA Type 4X (optional) Port RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply Power Consumption Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Certification	
RS-485 1 (baud rate range:1200 bps-115200 bps) Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL
Audio Input 1 channel (terminal) Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3-5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Port	
Audio Output 1 channel (terminal) Alarm Input 3 channels in: 5mA 3–5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	RS-485	1 (baud rate range:1200 bps–115200 bps)
Alarm Input 3 channels in: 5mA 3–5 VDC Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Audio Input	1 channel (terminal)
Alarm Output 2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC Power Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Audio Output	1 channel (terminal)
Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Alarm Input	3 channels in: 5mA 3–5 VDC
Power Supply 12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + Al + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Alarm Output	2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC
Basic: 4.9 W (12 VDC); 4.9 W (24 VAC); 4.4 W (PoE) Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Power	
Power Consumption Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W (12 VDC); 15.1 W (24 VAC); 14.1 W (PoE)	Power Supply	12 VDC (±25%)/24 VAC (±30%)/PoE (802.3at)/ePoE
Heating: 3.3 W (12 VDC); 5.5 W (24 VAC); 5.5 W (PoE)	Power Consumption	Max. (H.265 + 3 stream + AI + IR on + heating): 15.2 W

Environment

Operating Temperature	$-40~^{\circ}$ C to +60 $^{\circ}$ C ($-40~^{\circ}$ F to +140 $^{\circ}$ F)/Less than 95% RH
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67, IK10

Structure

Casing	Metal
Product Dimensions	Φ158 mm × 129.1 mm (Φ6.2" × 5.1")
Net Weight	1.1 kg (2.4 lb)
Gross Weight	1.6 kg (3.5 lb)

Ordering	Information

Туре	Model	Description
8MP	DH-IPC-HDBW5842H-Z4HE-S2	8 MP IR Vari-focal Dome WizMind Network Camera
Camera	IPC-HDBW5842H-Z4HE-S2	8 MP IR Vari-focal Dome WizMind Network Camera
	PFB211W	Wall Mount Bracket
	PFA773	Wall Mount (sunshade)
	PFA152-E	Pole Mount Bracket
	PFA101	Mount Adapter
	PFB300C	Ceiling Mount Bracket
	PFB211WA	Anti-corrosion Wall Mount Bracket
Accessories (Optional)	PFA152A-E	Anti-corrosion Pole Mount Braket
	PFA101A	Anti-corrosion Mount Adapter
	PFB300CA	Anti-corrosion Ceiling Mount Bracket
	PFM320D	12 VDC 2A Power Adapter
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender
	PFM900-E	Integrated Mount Tester

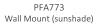
Accessories

Optional:











PFA152-E Pole Mount Bracket





PFA101 Mount Adapter



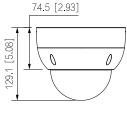
PFB300C Ceiling Mount Bracket



PFB211WA Anti-corrosion Wall Mount Bracket



PFB300CA Anti-corrosion Ceiling Mount Bracket



Dimensions (mm[inch])

Ø142.0 [Ø5.59] Ø140.0 [Ø5.51] 4-M4 3-04.5 [00.18]

Ø158.0 [Ø6.22]

Ø142.0 [Ø5.59]

4-ø4.5 [ø0.18]

PFA152A-E Anti-corrosion Pole Mount Bracket



PFM320D Series 12 VDC 2A Power Adapter



PFA101A

Anti-corrosion

Mount Adapter

LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM900-E Integrated Mount Tester

