



# DH-IPC-HDW5241TM-ASE

2MP IR Fixed-focal Eyeball 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 AI 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 AI-Powered Image 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-Powered Image**

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

#### **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.

#### **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.

### **Smart Sound Detection**

With deep learning algorithms, Dahua Smart Sound Detection technology can detect and identify the sound of screams, glass breaking, and more.

- \* The parameters and datasheets below can only be applied to 5241-ASE-S3 series.
- 2-MP 1/2.8" CMOS image sensor, low luminance, and high definition image.
- · Outputs max. 2MP (1920×1080) @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. 512 GB Micro SD card, built-in MIC.
- 12 VDC/PoE power supply; ePoE.
- IP67 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.

## **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, 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.

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.

Technica	l Specification	on						Face detection; track; snapshot; snapshot optimization;
Camera					optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attribute			
Image Sensor		1/2.8" CMOS					Face Detection	and 8 expressions; face snapshot set as face, one- inch photo or custom; snapshot strategies (real-time
Max. Resolution		1920 (H) × 1080 (V)						snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting
ROM		4 GB					Tripwire people counting, generating and exporting	
RAM		1 GB					People Counting	report (day/week/month/year); people counting in area and queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwire people counting in area and queue management.
Scanning Sy	stem	Progressive						
Electronic S	hutter Speed	Auto/Manual 1/3 s-1/100,000 s					Heat Map	Yes
Min. Illumin	Min. Illumination		0.0007 lux@F1.6 (Color,30 IRE) 0.0004 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on)					Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload.
S/N Ratio		>56 dB					Video Metadata	Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling.  Non-motor vehicle attributes: type, color, number of people, top type and color, hat.
Illumination	Distance	50 m (164.04	ft) (IR)					
Illuminator	On/Off Control	Auto; Manual						Human body attributes: gender, top/bottom type and color, bag, hat and umbrella.
Illuminator	Illuminator Number		2 (IR LED)					Face attributes: gender, age, expressions, glasses, face mask and beard.
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation:0°–360°					Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to even videos
Lens							Smart Sound Detection	Yes
Lens Type	Lens Type		Fixed-focal				Video	
Lens Mount		M12					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Focal Length		2.8 mm; 3.6 mm; 6 mm					Smart Codec	Smart H.265+; Smart H.264+
Max. Apertu	ure	F1.6					Al Coding	Al H.265; Al H.264
Field of Viev	v	2.8 mm: H: 106°; V: 56°; D: 127° 3.6 mm: H: 88°; V: 44°; D: 105°					Video Frame Rate	Main stream: 1080p@1–25/30 fps) Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–25/30 fps)
Iris Control		6 mm: H: 54°; V: 29°; D: 63° Fixed						
Close Focus Distance		2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3 m (4.27 ft) 6 mm: 2.6 m (8.53 ft)						*The values above are the max. frame rates of each stream; for multiple streams, the values will be subject to the total encoding capacity.
	Lens	Detect	Observe	Recognize	Identify		Stream Capability	4 streams
DORI	2.8 mm	43.9 m (144.03 ft)	17.5 m (57.41 ft)	8.8 m (28.87 ft)	4.4 m (14.44 ft)		Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Distance	3.6 mm	58.9 m (193.24 ft)	23.6 m (77.43 ft)	11.8 m (38.71 ft)	5.9 m (19.36 ft)		Bit Rate Control	CBR/VBR
	6 mm	85.5 m (280.51 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.6 m (28.22 ft)		Video Bit Rate	H.264: 32 kbps–12032 kbps H.265: 12 kbps–7424 kbps
Intelligence				Day/Night	Auto(ICR)/Color/B/W			
IVS (Perimeter Protection)		Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection					BLC	Yes
							HLC	Yes
Smart Object Detection		Smart abandoned object; smart missing object					WDR	120 dB
SMD 3.0		Less false alarm, longer detection distance					Scene Self-adaptation (SSA)	Yes
AI SSA		Yes					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
							Gain Control	Auto
								22.112

Noise Reduction

changing; audio detection; voltage detection; externa alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; per 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  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTSMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SMMP; P  Interoperability  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted ougrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  Certification  Certifications  Certifications  Certification   Ce-LVD: EN62368-1	Motion Detection	OFF/ON (4 areas, rectangular)	
Defog Yes Image Rotation 0',90°,180°,120° (Support 90°,1270° with 1080p resolution and lower)  Mirror Yes Privacy Masking 8 areas  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; sideo detection; video metadata; SMD, people counting in rare sty as detection; people counting; nec unumber 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; RT SMTP; FTF; SFTP, DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; CMP; IGMP; NTS; SAMBA; PPPoE; SNMP; PM Multicast; CMP; IGMP; NTS; SAMBA; PPPoE; SNMP; PM Multicast; CMP; IGMP; NTS; SAMBA; PPPoE; SNMP; PTP; SFTP, DHCP; DNS; DDNS; QOS; UPnP; NTF Multicast; CMP; IGMP; NTS; SAMBA; PPPoE; SNMP; PTP; SFTP, SHCP; DCP; DNS; DDNS; DNS; DNS; DNS; DNS; DNS; DN	Region of Interest (RoI)	Yes (4 areas)	
Image Rotation  Or/90*/180*/270* (Support 90*/270* with 1080p resolution and lower)  Mirror  Yes  Privacy Masking  8 areas  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; trippive; intrusion; fast moving; abandoned object; missing object; loitering alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; per 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  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTS Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P  Interoperability  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); NAS  IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later  Management Software  SmartPSS Lite; DSS; DMSS  Mobile Client  Osci, Android  Cyber Security  Cyber Security  Cyber Security  Cyber Security  Certification  CE-IVO: EN62368-1  CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CRF CC Part 15, Subpart B UL/CUI: UL62368-1 & CAN/CSA C22.2 No. 62368-1-1.  Port  Audio Output  1 channel (RCA port)  Alarm Input  1 channel in: 5mA 3V–5V DC	Smart Illumination	Yes	
mage Rotation resolution and lower)  Mirror Yes  Privacy Masking 8 areas  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; sectors, alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people mumber error detection; queue people number alarm; queue time alarm; security exception  Network  Network  Network Port RJ-45 (10/100 Enhancement Base-T)  SDK and API Yes  Network Protocol PP-4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTT SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P  Interoperability ONVIF (Profile S/Profile G/Profile T); CGI  User/Host 20 (Total bandwidth: 80 M)  Storage FTP; SFTP; Micro SD card (support max. 512 GB); NAS  Browser Alie: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later  Management Software SmartPSS Lite; DSS; DMSS  Mobile Client OS; Android  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPs; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  CE-LVD: EN62368-1 CE-RMC: Electromagnetic Compatibility Directive 2014/30/EU PCC: 47 CRF PCC Part 15, Subpart B UI/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-1.  POrt  Audio Input 1 channel (RCA port)  Alarm Input 1 channel in: SmA 3V-SV DC	Defog	Yes	
Audio Built-in MIC Ves 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; oltering detection; people gathering; parking detection; externa alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; per 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 Ves  Network Protocol PP4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTT SMTP; FTP; SFTP; DHCP; DNS; DDNS; GOS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P  Interoperability ONVIF (Profile S/Profile G/Profile T); CGI  User/Host 20 (Total bandwidth: 80 M)  Storage FTP; SFTP; Micro SD card (support max. 512 GB); 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 Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU EC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-1.  Port  Audio Input 1 channel (RCA port)  Alarm Input 1 channel in: 5mA 3V-5V DC	Image Rotation		
Audio O Built-in MIC	Mirror	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; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; expense alarm; face detection; video metadata; SMD; people counting; people counting; people gathering; parking detection; people gathering; parking detection; people counting; people counting; people counting; people counting; people counting; people counting; people number 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; RTS SMTP; FTSP; STFP; DHCP; DNS; DDNS; OoS; UPNP, NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; P ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 80.21 x; IPMAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  Certification  Certifications  CE-LVD: EN62368-1  CE-EMC: Electromagenetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B Ul/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-12.  Port  Audio Input  1 channel (RCA port)  Alarm Input  1 channel in: 5mA 3V–5V DC	Privacy Masking	8 areas	
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; voideo metadata; SMD; people counting; parking detection; externa alarm; face detection; voltage detection; externa alarm; face detection; voltage detection; externa alarm; face detection; voltage detection; externa alarm; face 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  IPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTS MITP; FTP; SFTP; DHCP; DMS; DDNS; QoS; UPRP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; PINTE Multica	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; seen changing; audio detection; voltage detection; verterna alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; per 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; RTT SMTP; FTP; SFTP; DHCP; DNS; DONS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; PInteroperability  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 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: UL62368-1 & CAN/CSA C22.2 No. 62368-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Built-in MIC	Yes	
Alarm Event    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; externa alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; per number error detection; queue people number alarm queue time alarm; security exception  Network  Network Port	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; abandoned object; missing object; loitering detection; people gathering; parking detection; exerna alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; peon 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; RTT SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPOE; SNMP; PINTeroperability  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IPv/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  Certification  Certification  Certification  Certification  1 channel (RCA port)  Audio Output  1 channel (RCA port)  Alarm Input  1 channel in: 5mA 3V–5V DC	Alarm		
Network Port  RJ-45 (10/100 Enhancement Base-T)  SDK and API  Yes  Network Protocol  Network Protocol  Network Protocol  Network Protocol  Network Protocol  Port  Network Protocol  Network Protocol  Network Protocol  Network Protocol  Network Protocol  Proticol  Network Protocol  N	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; RTSMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP, P Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP, P Interoperability   ONVIF (Profile S/Profile G/Profile T); CGI	Network		
Network Protocol  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTTP; SMTP; FTP; SFTP; DHCP; DNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P User/Host  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  Certifications  CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Network Port	RJ-45 (10/100 Enhancement Base-T)	
Network Protocol  SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTF Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P Interoperability  ONVIF (Profile S/Profile G/Profile T); CGI  User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); NAS  IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later  Management Software  SmartPSS Lite; DSS; DMSS  Mobile Client  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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. 62368-1-1-  Port  Audio Input  1 channel (RCA port)  Audio Output  1 channel (RCA port)  Alarm Input  1 channel in: 5mA 3V–5V DC	SDK and API	Yes	
User/Host  20 (Total bandwidth: 80 M)  Storage  FTP; SFTP; Micro SD card (support max. 512 GB); NAS  IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later  Management Software  SmartPSS Lite; DSS; DMSS  Mobile Client  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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. 62368-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTM SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPP0E; SNMP; P2	
Storage FTP; SFTP; Micro SD card (support max. 512 GB); 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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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: 5mA 3V-5V DC	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI	
Browser    IE: IE 9 and later   Chrome: Chrome 102 and later   Firefox: Firefox 88 and later	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  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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)  Alarm Input 1 channel in: 5mA 3V-5V DC	Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS	
Mobile Client  iOS; Android  Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generati and importing of X.509 certification  Certification  CE-LVD: EN62368-1 CE-EWC: 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)  Alarm Input  1 channel in: 5mA 3V-5V DC	Browser	Chrome: Chrome 102 and later	
Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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. 62368-1-1/2  Port  Audio Input  1 channel (RCA port)  Alarm Input  1 channel in: 5mA 3V-5V DC	Management Software	SmartPSS Lite; DSS; DMSS	
security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification  Certification  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. 62368-1-1-4  Port  Audio Input 1 channel (RCA port)  Audio Output 1 channel (RCA port)  Alarm Input 1 channel in: 5mA 3V–5V DC	Mobile Client	iOS; Android	
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)  Alarm Input 1 channel in: 5mA 3V–5V DC	Cyber Security	security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generatio	
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 in: 5mA 3V–5V DC	Certification		
Audio Input 1 channel (RCA port)  Audio Output 1 channel (RCA port)  Alarm Input 1 channel in: 5mA 3V–5V DC	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	
Audio Output 1 channel (RCA port)  Alarm Input 1 channel in: 5mA 3V–5V DC	Port		
Alarm Input 1 channel in: 5mA 3V–5V DC	Audio Input	1 channel (RCA port)	
Alarm Input 1 channel in: 5mA 3V–5V DC	Audio Output		
AldTH OULDUL Channel OUT: BOOMA TOVIDO	Alarm Output	1 channel out: 300mA 12V DC	

Power	
Power Supply	12 VDC/PoE (802.3af)/ePoE
	Basic: 4.3 W (12 VDC); 5.5 W (PoE)

Power Consumption Max. (H.265+ WDR+ Intelligence on+IR on): 8.2 W (12 VDC); 9.7 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

## Structure

Casing Material	Inner core: Metal Cover: Metal Decoration ring: Plastic Quick install mounting plate: Metal	
Product Dimensions	99.1 mm × Φ121.9 mm (3.90" × Φ4.80")	
Net Weight	500 g (1.10 lb)	
Gross Weight	770 g (1.70 lb)	

Ordering Information				
Туре	Model	Description		
2MP	DH-IPC-HDW5241TM-ASE	2MP IR Fixed-focal Eyeball WizMind Network Camera		
Camera	IPC-HDW5241TM-ASE	2MP IR Fixed-focal Eyeball WizMind Network Camera		
	PFA130-E	Water-proof Junction Box		
	PFB205W-E	Wall Mount Bracket		
	PFA152-E	Pole Mount Bracket		
Accessories	PFA109	Mount adapter		
(Optional)	PFB220C	Ceiling Mount Bracket		
	PFM321D	12 VDC 1 A Power Adapter		
	PFM900-E	Integrated Mount Tester		
	TF-P100	MicroSD Memory Card		

## **Accessories**

## Optional:



PFA130-E Water-proof Junction Box



PFB205W-E Wall Mount Bracket



PFA152-E Pole Mount Bracket



PFM321D 12 VDC 1 A Power Adapter



PFA109 Mount adapter



PFM900-E Integrated Mount Tester

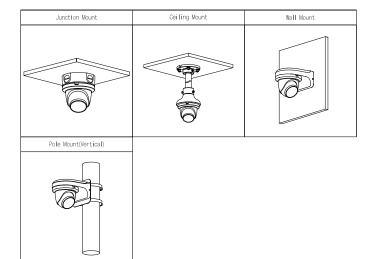


PFB220C

Ceiling Mount

Bracket

TF-P100 MicroSD Memory Card



## Dimensions (mm[inch])

