



# DH-IPC-HFW5442E-Z4E

4MP IR Vari-focal Bullet 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.

#### **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.

- \* The parameters and datasheets below can only be applied to 5442-Z-S3 series.
- 4-MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4MP (2688×1520) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 120 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: 2 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 and IK10 protection.

• SMD 3.0.



#### 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.

#### **Smart Sound Detection**

With deep learning algorithm, Dahua Smart Sound Detection technology can detect and identifies the sound of scream and glass breaking, etc.

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

## **Technical Specification**

	Specification	011			
Camera					
Image Senso	r	1/1.8" CMOS			
Max. Resolution		2688 (H) × 1520 (V)			
ROM		4 GB			
RAM		1 GB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s			
Min. Illumination		0.0007 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>56 dB			
Illumination	Distance	120 m (393.70 ft) (IR)			
Illuminator On/Off Control		Auto; Zoomprio; Manual			
Illuminator Number		4 (IR LED)			
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°			
Lens					
Lens Type		Motorized vari-focal			
Lens Mount		Module			
Focal Length		8 mm–32 mm			
Max. Aperture		F1.6			
Field of View		H: 43°–15°; V: 24°–9°; D: 50°–17°			
Iris Control		Auto			
Close Focus I	Distance	1.5 m (4.92 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	147.3 m (483.27 ft)	58.9 m (193.24 ft)	29.5 m (96.78 ft)	14.7 m (48.23 ft)
	Т	395.0 m (1295.93 ft)	158.0 m (518.37 ft)	79.0 m (259.19 ft)	39.5 m (129.59 ft)
Intelligence					
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			
Smart Object Detection		Smart abandoned object; smart missing object			
SMD 3.0		Less false alarm, longer detection distance			
AI SSA		Yes			
Face Detection		Face detection; track; snapshot; snapshot optimization; 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 snapshot, quality priority and optimization snapshot):			

snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting

People Counting	Tripwire people counting, generating and exporting 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.		
Heat Map	Yes		
Video Metadata	Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. 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. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard.		
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos		
Smart Sound Detection	Yes		
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+		
AI Coding	AI H.265; AI H.264		
Video Frame Rate	Main stream: 2688 × 1520 (1 fps–25/30 fps) /1920 × 1080 (1 fps–50/60 fps) Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–25/30 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	4 streams		
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)		
Bit Rate Control	CBR/VBR		
Video Bit Rate	H.264: 32 kbps-16384 kbps;H.265: 12 kbps-11008 kbps		
Day/Night	Auto(ICR)/Color/B/W		
BLC	Yes		
HLC	Yes		
WDR	140 dB		
Scene Self-adaptation (SSA)	Yes		
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom		
Gain Control	Auto		
Noise Reduction	3D NR		
Motion Detection	OFF/ON (4 areas, rectangular)		
Region of Interest (RoI)	Yes (4 areas)		
Image Stabilization	Electronic Image Stabilization (EIS)		

# Wiz Mind S | DH-IPC-HFW5442E-Z4E

number error detection; queue people number alarm; queue time alarm; security exception; defocus detection   Network   Network Port RJ-45 (10/100 Enhancement Base-T)   SDK and API Yes	Smart Illumination	Yes			
Image Rotation1520) resolution and lower)MirrorYesPrivacy Masking8 areasAudioSareasAudio Compression6.711a; G.711Mu; PCM; G.725, G.723Autio CompressionG.711a; G.711Mu; PCM; G.725, G.723AlarmNo SD card; SD card full; SD card error; network disconnection; PC onflict; Illegal access; motion detection; poople gathering; parking detection; scene disconnection; PC onflict; Illegal access; motion detection; puople gathering; parking detection; scene detection; people mathering detection; scene detection; people gathering; parking detection; scene detection; people quarter alarm; queue time alarm; face detection; people counting; people number error detection;	Defog	Yes			
Interiori <b< td=""><td>Image Rotation</td><td></td></b<>	Image Rotation				
AudioBuilt-in MICvsAudio CompressionG.711a; G.711Mu; PCM; G.726; G.723AlarmVAlarmsNo SD card; SD card full; SD card error; network disconnection; P conflict; illegal access; motion detectority, video transering; tripwire; intrusion; scene rhanging; audio detection; voltage detection; scene changing; mutioe transmite; tripwire; intrusion; scene changing; audio detection; voltage detection; propele counting in are; stay detection; people counting in are; stay dete	Mirror	Yes			
NationBuilt-in MICYesAudio Compression6.711a; G.711Mu; PCM; G.726; G.723AlarmSD 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; retrover endatadit; SMD; people andmer error detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering; detection; people gathering; parking detection; seene changing; audio detection; voltage detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering; detection; gueue people number alarm; fac queue time alarm; security exception; defocus detection queue provide detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering; detection; security exception; defocus detection; queue people number alarm; fac queue people number alarm; fac queue time alarm; fac alarm; fac detection; voltage detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing; object; loiter; missing; detection; people number alarm; fac queue time alarm; fac people number alarm; fac queue time al	Privacy Masking	8 areas			
Audio CompressionG.711a; G.711Mu; PCM; G.726; G.723AlarmNo 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 gateut object missing object; loitering; detection; people carbing; parking detection; seene changing; audio detection; video metadata; SMD; people aumber error people aumber error people aumb	Audio				
Alarm     AlarmEvent   No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion disconnection; people gathering; parking detection; scene changing; audio detection; voltage detection;	Built-in MIC	Yes			
NatureAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; inissing object; loitering object; loitering object; loitering detection; people gathering; parking detection; scene changing; audio detection; video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection number error detection; queue people number alarm; queue time alarm; security exception; defocus detectionNetworkRI-45 (10/100 Enhancement Base-T)SDK and APIYesNetwork ProtocolSMTP; FTP; SFTP; DHCP; DNS; DDNS; DOS; ODS; UDN; PTP; Multicast; ICMP; IGMP; NES; SAMBA; PPPoE; SNMP; P2PInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIUser/Host20 (Total bandwidth: 80 M)StorageFTP; SFTP; Micro SD card (support max. S12 GB); NASManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientIOS; AndroidCyber SecurityCef-IVD: EN62368-1; CCF-REC Error Sig; WSSE; account lockout; syslog; video; video; profin; MS2. Jay; IMMAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X:509 certificationPortCetificationsCef-IVD: EN62368-1; CCF-RE FCC Part 15, Subpart B; UU/CUL: UL62368-18. CAN/CSA C22.2 No. 62368-1-141Audio Input1 channel (RCA port)Audio AlarAudio Output1 channel (RCA port)Audio Output2 channels in: wet contact, 5mA 3V-5V DCAudio Output1 channel (RCA port)	Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723			
Alarm Eventdisconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abadoned object; missing object; loitering; parking detection; scene changing; audio detection; video metadata; SMD; people counting; na rea; stay detection; people number alarm; queue time alarm; security exception; defocus detection umber error detection; queue people number alarm; queue time alarm; security exception; defocus detection queue time alarm; security exception; defocus detection subation of queue people number alarm; queue time alarm; security exception; defocus detection subation of queue people number alarm; queue time alarm; security exception; defocus detection parking detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection subation of queue people number alarm; queue time alarm; security exception; defocus detection subation of queue people counting; people counting; people <br< td=""><td>Alarm</td><td></td></br<>	Alarm				
Network PortRI-45 (10/100 Enhancement Base-T)SDK and APIYesNetwork ProtocolIPV4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2PInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIUser/Host20 (Total bandwidth: 80 M)StorageFTP; SFTP; Micro SD card (support max. 512 GB); NASBrowserLiE: IE 9 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video and importing of X.509 certificationCertificationsCE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; Scc 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1.14Audio Input1 channel (RCA port)Audio Output2 channels in: wet contact, 5mA 3V-5V DCAudin Ontput1 channel out: wet contact, 300mA 12V DC	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;			
Sector of the	Network				
Network ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2PInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIUser/Host20 (Total bandwidth: 80 M)StorageFTP; SFTP; Micro SD card (support max. 512 GB); NASBrowserIE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientIOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; sysleg; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firtware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-18, CAN/CSA C22.2 No. 62368-1-14Audio Input1 channel (RCA port)Audio Output2 channels in: wet contact, 5mA 3V-5V DCAlarm Input2 channels in: wet contact, 300mA 12V DC	Network Port	RJ-45 (10/100 Enhancement Base-T)			
Network ProtocolSMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA, PPPoE; SNMP; P2PInteroperabilityONVIF (Profile S/Profile G/Profile T); CGIUser/Host20 (Total bandwidth: 80 M)StorageFTP; SFTP; Micro SD card (support max. 512 GB); NASBrowserIE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCe-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-18, CAN/CSA C22.2 No. 62368-1-14Audio Input1 channel (RCA port)Audio Output2 channels in: wet contact, 5mA 3V–5V DCAlarm Input2 channel si: wet contact, 300mA 12V DC	SDK and API	Yes			
IterationIterationUser/Host20 (Total bandwidth: 80 M)StorageFTP; SFTP; Micro SD card (support max. 512 GB); NASBrowserLE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted urgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1; CE-EEMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CU: UL62368-1 & CAN/CSA C22.2 No. 62368-1:14PortAudio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out; wet contact, 300mA 12V DC	Network Protocol				
StorageFTP; SFTP; Micro SD card (support max. 512 GB); NASBrowserE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration 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 certificationCertificationsEE-UVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUI: UL62368-1 & CAN/CSA C22.2 No. 62368-1:14PortAudio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI			
BrowserIE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidConfiguration 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 certificationCertificationCE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUI: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14PortAudio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	User/Host	20 (Total bandwidth: 80 M)			
BrowserChrome: Chrome 102 and later Firefox: Firefox 88 and laterManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration 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 certificationCertificationsCE-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. 62368-1-14Port1Audio Input1 channel (RCA port)Audio Output2 channels in: wet contact, 5mA 3V–5V DCAlarm Input1 channel out: wet contact, 300mA 12V DC	Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS			
Mobile ClientiOS; AndroidConfiguration 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 certificationCertificationCertificationsCE-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. 62368-1-14Port1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Browser	Chrome: Chrome 102 and later			
Cyber SecurityConfiguration 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 certificationCertificationCE-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. 62368-1-14PortAudio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Management Software	SmartPSS Lite; DSS; DMSS			
Cyber Securitysecurity 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 certificationCertificationCE-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. 62368-1-14PortIchannel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V–5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Mobile Client	iOS; Android			
CertificationsCE-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. 62368-1-14PortAudio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Cyber Security	security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation			
CertificationsCE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14Port1 channel (RCA port)Audio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Certification				
Audio Input1 channel (RCA port)Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V-5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B;			
Audio Output1 channel (RCA port)Alarm Input2 channels in: wet contact, 5mA 3V–5V DCAlarm Output1 channel out: wet contact, 300mA 12V DC	Port				
Alarm Input 2 channels in: wet contact, 5mA 3V–5V DC   Alarm Output 1 channel out: wet contact, 300mA 12V DC	Audio Input	1 channel (RCA port)			
Alarm Output 1 channel out: wet contact, 300mA 12V DC	Audio Output	1 channel (RCA port)			
	Alarm Input	2 channels in: wet contact, 5mA 3V–5V DC			
Power	Alarm Output	1 channel out: wet contact, 300mA 12V DC			
	Power				

12 VDC/PoE (802.3af)/ePoE

Power Supply

Power Consumption	Basic: 3.7 W (12 VDC); 4.9 W (PoE) Max. (H.265+ WDR+ Intelligence on+IR on): 9.8 W (12 VDC); 12.3 W (PoE)			
Environment				
Operating Temperature	-30 °C to +60 °C (-22 °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				
Casing Material	Metal + plastic			
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74" (L × W × H)			
Net Weight	1.13 kg (2.49 lb)			
Gross Weight	1.68 kg (3.70 lb)			

Ordering Information				
Туре	Model	Description		
4MP Camera	DH-IPC-HFW5442E-Z4E	4MP IR Vari-focal Bullet WizMind Network Camera		
	IPC-HFW5442E-Z4E	4MP IR Vari-focal Bullet WizMind Network Camera		
Accessories (Optional)	PFA121	Water-proof Junction Box		
	PFA156	Pole mount Bracket		
	PFM321D	12 VDC 1 A Power Adapter		
	PFM900-E	Integrated Mount Tester		
	TF-P100	MicroSD Memory Card		

# Accessories

Optional:



PFA121

Water-proof

Junction Box



PFA156 Pole mount Bracket





512cn U.42 TF-P100

alhua

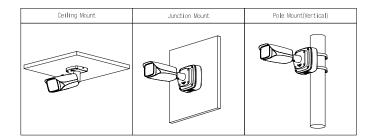
MicroSD Memory Card



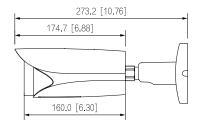
PFM321D 12 VDC 1 A Power Adapter

www.dahuasecurity.com

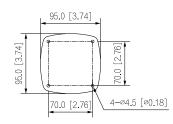




## Dimensions (mm[inch])







Rev 002.000 © 2023 Dahua. All rights reserved. Design and specifications are subject to change without notice. The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.