



# IPC-HFW5842E-ZE

## 8MP 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 Al-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 5842-Z-S3 series.
- 8-MP 1/1.8" CMOS image sensor, low luminance, and high definition
- Outputs max. 8MP (3840×2160) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 60 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 ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



## **Technical Specification**

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Image Sensor	1/1.8" CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	4 GB
RAM	2 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.0008 lux@F1.8 (Color, 30 IRE) 0.0004 lux@F1.8 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	Up to 60 m (196.85 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		ф14			
Focal Length		2.7 mm-12 mm			
Max. Apertu	re	F1.8			
Field of View	,	H: 113°-47°; V: 60°-26°; D: 133°-53°			
Iris Control		Auto			
Close Focus Distance		1.5 m (4.92 ft)			
	Lens	Detect	Observe	Recognize	Identify
	W	83.4 m (273.62 ft)	33.4 m (109.58 ft)	16.7 m (54.79 ft)	8.3 m (27.23 ft)
	_	189.6 m	75.8 m	37.9 m	19.0 m

\*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the 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 commissioning manual/project design tool.

(622.05 ft) (248.69 ft) (124.34 ft) (62.34 ft)

## Intelligence

DORI Distance

EPTZ	Yes
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	SMD 3.0
AcuPick	Uses deep learning algorithms and works with back-end devices to accurately match targets, such as people and motor vehicles, and search through live and recorded videos to quickly locate targets.
AISSA	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); 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+
Al Coding	AI H.265; AI H.264
Video Frame Rate	Main stream: 3840 × 2160@(1–25/30 fps) Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–10 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	8M (3840 $\times$ 2160); 6M (3072 $\times$ 2048); 5M (3072 $\times$ 1728); 5M (2592 $\times$ 1944); 4M (2688 $\times$ 1520); 3.6M (2560 $\times$ 1440); 3M (2048 $\times$ 1536); 3M (2304 $\times$ 1296); 1080p (1920 $\times$ 1080); 1.3M (1280 $\times$ 960); 720p (1280 $\times$ 720); D1 (704 $\times$ 576/704 $\times$ 480); VGA (640 $\times$ 480); CIF (352 $\times$ 288/352 $\times$ 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–16384 kbps H.265: 12 kbps–13568 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR

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  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP;		
Image Stabilization  Electronic Image Stabilization (EIS)  Smart Illumination  Yes  Defog  Yes  Image Rotation  O'/907/1807/270" (Support 90°/270" with 4M (2688 × 1520) resolution and lower)  Mirror  Yes  Privacy Masking  8 areas  LDC  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 and tampering; tripule; intrusion; fast moving; abandoned object; missing object; loitering detection; over a detection; video related tas; SMD; people counting in area; stay detection; video metadata; SMD; people counting in area; stay	Motion Detection	OFF/ON (4 areas, rectangular)
Defog Yes  Image Rotation 0''',90''/180''/270'' (Support 90'/270'' with 41M (2688 × 1520) resolution and lower)  Mirror Yes  Privacy Masking 8 areas  LDC Yes  Audio  Built-in MIC Yes  Audio Compression G.7.11a; G.7.11Mu; 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 alarm; face detection; queue people number alarm; security exception; defocus detection; queue time alarm; security exception; defocus detection; queue time alarm; security exception; defocus detection; queue time alarm; security exception; defocus detection; people counting; people number alarm; security exception; defocus detection; queue people number alarm; security exception; defocus detection; queue people number alarm; security exception; defocus detection; queue time alarm; security exception; defocus detection; people counting; people number alarm; security exception; defocus detection; queue people number alarm; should be people number alarm; security exception; defocus detection; queue people number alarm; should be	Region of Interest (RoI)	Yes (4 areas)
Defog Yes  Image Rotation 10°/90°/180°/270° (Support 90°/270° with 4M (2688 × 1520) resolution and lower)  Mirror Yes  Privacy Masking 8 areas  LDC 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; wideo tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; excernal alarm; face detection; video metadula; SMD; people counting in area; stay detection; people counting; people number alarm; queue time alarm; security exception; defocus detection.  Network  Network Port RJ-45 (10/100 Enhancement Base-T)  SDK and API Yes  Network Protocol Prot, in the prot, in the prot, in the prot, in the protection of the prot, in the prot,	Image Stabilization	Electronic Image Stabilization (EIS)
Image Rotation  O'/90'/180'/270' (Support 90'/270' with 4M (2688 × 1520) resolution and lower)  Mirror  Yes  Privacy Masking  8 areas  LDC  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; people counting people number alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number error detection; queue people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number alarm; queue time alarm; security exception; defocus detection video metadata; SMD; people number alarm; queue time alarm; security exception; people counting; people number error detection; queue people number alarm; queue time alarm; security exception; people counting; people number error detection; queue people number alarm; queue time alarm; security exception; people counting; people number error detection; people queue time alarm; security exception; people queue time alarm; security e	Smart Illumination	Yes
Mirror  Yes  Privacy Masking  8 areas  LDC  Yes  Audio  Built-in MIC  Yes  Audio Compression  6.711a; 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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number alarm; queue time alarm; security exception; defocus detection with the same alarm; security exception; description; dos, unprivation; goas, unprivation; g	Defog	Yes
Privacy Masking 8 areas  LDC 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; people gathering; parking detection; scene changing; audio detection; voltage voltage voltage; people counting in area; stay detection; voltage voltage; people counting in area; stay detection; voltage;	Image Rotation	
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; voltage detection; scene changing; audio detection; voltage detection; people counting in area; stay detection; people counting in area; stay detection; people counting in area; stay detection; queue people number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; people number alarm;	Mirror	Yes
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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; people counting; people 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  Network Protocol  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMF; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P 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  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  Certification  Certifications  Certifications  1 channel (RCA port)	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; citering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; video metadata; SMD; people counting; 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 detection number alarm; queue time alarm; security exception; defocus detection number error detection; queue people number alarm; queue time alarm; security exception; defocus detection number alarm; provided number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; queue time alarm; security exception; defocus detection number alarm; gueue time alarm; security exception; people number alarm; queue time alarm; security people number alarm; people nu	Built-in MIC	Yes
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; scene changing; audio detection; voltage detection; scene changing; audio detection; voltage detection; people counting in area; stay detection; people counting in area; stay detection; people 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  IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMF SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P  Interoperability ONVIF (Profile S/Profile G/Profile T); CGI  User/Host 20 (Total bandwidth: 80 M)  Storage FTP; SFTP; Micro SD card (support max. S12 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  Certification  Certification (Ce-LVD: EN62368-1; Ce-EMC: Electromagnetic Compatibility Directive 2014/30/EU; PCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14  Port	Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
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SDK and API   Yes	Network	
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  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; generation 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. 62368-1-14  Port  Audio Input  1 channel (RCA port)	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         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       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         Cyber Security       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)	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  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)	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
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)	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  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. 62368-1-14  Port  Audio Input  1 channel (RCA port)	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)	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; 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)	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. 62368-1-14  Port  Audio Input 1 channel (RCA port)	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. 62368-1-14  Port  Audio Input  1 channel (RCA port)	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)	Cyber Security	security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation
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)	Certification	
Audio Input 1 channel (RCA port)	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B;
	Port	
Audio Output 1 channel (RCA port)	Audio Input	1 channel (RCA port)
	Audio Output	1 channel (RCA port)

	Alarm Input	2 channels 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: 4.0 W (12 VDC); 5.3 W (PoE) Max. (H.265+ WDR+ Intelligence on+IR on): 10.2 W (12 VDC); 12.8 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	1.12 kg (2.47 lb)

Ordering Information		
Туре	Model	Description
8MP	DH-IPC-HFW5842E-ZE	8MP IR Vari-focal Bullet WizMind Network Camera
Camera	IPC-HFW5842E-ZE	8MP IR Vari-focal Bullet WizMind Network Camera
	PFA121	Water-proof Junction Box
	PFA156	Pole mount Bracket
Accessories (Optional)	PFM321D	12 VDC 1 A Power Adapter
	PFM900-E	Integrated Mount Tester
	TF-P100	MicroSD Memory Card

1.66 kg (3.66 lb)

Gross Weight