



DH-IPC-EBW8842-AS-IVC

8 MP IR Fisheye WizMind Network Camera with Panomorph Lens



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 fisheye lens, Dahua Fisheye series camera can realize 360° surveillance, and it is widely applied in various scenes such as airports, shopping centers, banks and hotels.

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Fisheye VR

With intelligent algorithm, Dahua Fisheye VR technology provides interactive 3-dimensional dynamic view through fisheye image. Dahua fisheye VR supports various interactive modes, such as original, bowl, cylinder and asteroid, providing more interactive experience.

Heat Map

Duhua heat map technology is used to display the crowd density and people appearance probability. Display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

- 8 MP 1/1.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 8M (3280 × 2480) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 10 m.
- Intelligent monitoring: Intrusion, tripwire, heat map, and people counting.
- SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built-in dual-array Mic and speaker.
- 12 VDC/PoE power supply.
- IP67 and IK10 protection.
- Adopts Panomorph lens, having better compatibility with third party platform.
- Panomorph Lens RPL: B9VVT.



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.

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.

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.

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Technical Specification Camera 1/1.7" CMOS Image Sensor 3280 (H) × 2480 (V) Max. Resolution ROM 4 GB RAM 2 GB Scanning System Progressive Auto/Manual 1/3 s-1/100,000 s **Electronic Shutter Speed** 0.01 Lux@F2.0 (Color, 30 IRE) Min. Illumination 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on) S/N Ratio > 56 dB Illumination Distance up to 10 m (32.81 ft) (IR) Illuminator On/Off Control Auto/Manual Illuminator Number 3 (IR LED) Lens Fixed-focal Lens Type Lens Mount M12 1.29 mm Focal Length F2.0 Max. Aperture Horizontal: 185°; Field of View Vertical: 180° Iris Control Fixed **Close Focus Distance** 0.2 m (0.66 ft) Detect Observe Identify Recognize 27.9 m 2.8 m 11.2 m 5.6 m (91.54 ft) (36.75 ft) (18.37 ft) (9.19 ft) *DORI (Detect, Observe, Recognize, Identify) is a **DORI** Distance 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. Smart Event Heat Map Yes Professional, intelligent IVS (Perimeter Protection) Intrusion; tripwire Supports 4 rules to count the number of people entering, exiting, and staying separately. It will trigger alarm linkage when the number of people who entering, exiting or staying exceeds the threshold. It can display and export reports based on year, month, week, day or custom time. **People Counting** Supports 4 rules to count the number of people in area and will trigger alarm linkage when the average strand time or people number in the area exceeds the

threshold. It can display and export reports based on

month, week, day or custom time

Smart 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; MJPEG (Only supported by the sub stream)	
Smart Codec	Smart H.265+; Smart H.264+	
Video Frame Rate	Main stream: $3280 \times 2480@(1-25/30 \text{ fps})$ sub stream: $704 \times 576@(1-25/30 \text{ fps})$ third stream: $1280 \times 960@(1-25/30 \text{ fps})$ Fisheye mode: $10 (3280 \times 2480)$ $1P (4096 \times 1024)$ $2P (2432 \times 2432)$ $1R (1216 \times 1216)$ $2R (2432 \times 2432)$ $4R (2432 \times 2432)$ $10 + 3R (2432 \times 2432)$ *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	3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M (1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)	
Bit Rate Control	CBR/VBR	
Video Bit Rate	H264: 8 kbps–16384 kbps H265: 3 kbps–13891 kbps	
Day/Night	Auto(ICR)/Color/B/W	
BLC	Yes	
HLC	Yes	
WDR	DWDR	
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)	
Defog	Yes	
Privacy Masking	4 areas	
Audio		
Built-in MIC	Yes, built-in dual Mic	
Audio Compression	PCM; G.711A; G.711Mu; G.726; G.723	
Alarm		
Alarm Event	No SD card; SD card full; SD card durability warning; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; people counting in area; stay detection; people counting; security exception	
Network		
Network Port	RJ-45 (10/100/1000 Base-T)	

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SDK and API	Yes	
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
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	
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P (Only supported by general version)	
User/Host	20	
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS	
Browser	IE: IE11, IE10 Chrome: 48.0.2564.116 Firefox: 48.0.2 Edge: 42.17134.1.0	
Management Software	Smart PSS; DSS; DMSS	
Certification		
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14	
Port		
Audio Input	1 channel (RCA port)	
Audio Output	1 channel (RCA port)	
Alarm Input	2 channel in: wet contact,5mA 3V–5 VDC	
Alarm Output	2 channels out: dry contact,1,000mA 30 VDC/500mA 50 VDC	
Power		
Power Supply	12 VDC/POE+ (802.3at)	
Power Consumption	Basic: 6.5 W (12 VDC); 6.1 W (PoE) Max. (ICR + IR intensity): 13 W (12 VDC); 13.9 W (PoE) Heating: 3 W (12 VDC); 3 W (PoE)	
Environment		
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Operating Humidity	≤95%	
Storage Temperature	-30 °C to +70 °C (-22 °F to +158 °F)	
Protection	IP67; IK10	
Structure		
Casing	Metal	
Product Dimensions	59.8 mm × Φ149.8 mm (2.35" × Φ5.90")	
Net Weight	0.79 kg (1.74 lb)	
Gross Weight	1.21 kg (2.67 lb)	

Ordering Information			
Туре	Model	Description	
8MP Camera	DH-IPC-EBW8842-AS-IVC	8 MP IR Fisheye WizMind Network Camera with Panomorph Lens	
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Accessories (Optional)	PFB300C	Ceiling-mount Bracket	
	PFA100	Adapting Plate	
	PFB302S	Wall-mount Bracket	
	PFA132-E	Junction Box	

Accessories

Optional







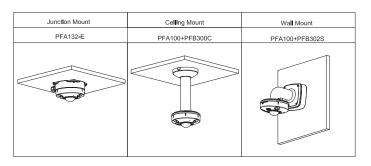
PFB300C Ceiling-mount Bracket

PFA100 Adapting Plate

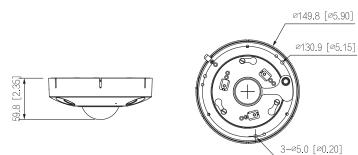
PFB302S Wall-mount Bracket

PFA132-E

Junction Box



Dimensions (mm[inch])



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