



# DH-IPC-EBW8842-AS

8 MP IR Fisheye WizMind Network Camera



Wiz Mind

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.

#### Fisheve 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
- 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
- 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.













## **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 ±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.

Technical Specification						Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos	
Camera				Video	Videos			
Image Sensor	1/1.7" CMOS						H.265; H.264; H.264H; MJPEG (Only supported by the	
Max. Resolution	3280 (H) × 2480 (V)					Video Compression	sub stream)	
ROM	4 GB					Smart Codec	Smart H.265+; Smart H.264+	
RAM	2 GB					Video Frame Rate	Main stream: 3280 × 2480@(1–25/30 fps) sub stream: 704 × 576@(1–25/30 fps) third stream: 1280 × 960@(1–25/30 fps) Fisheye mode: 10 (3280 × 2480) 1P (4096 × 1024) 2P (2432 × 2432) 1R (1216 × 1216) 2R (2432 × 2432) 4R (2432 × 2432) 10 + 3R (2432 × 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.	
Scanning System	Progressive							
Electronic Shutter Speed	Auto/Manual 1/3 s=1/100,000 s							
Min. Illumination	0.01 Lux@F2.0 (Color, 30 IRE) 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					Stream Capability	3 streams	
Illuminator Number	3 (IR LED)						3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M (1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)	
Lens					Resolution			
Lens Type	Fixed-focal					Bit Rate Control	CBR/VBR	
Lens Mount	M12					Video Bit Rate	H264: 8 kbps–16384 kbps H265: 3 kbps–13891 kbps	
Focal Length	1.85mm					Day/Night	Auto(ICR)/Color/B/W	
Max. Aperture	F2.0					BLC	Yes	
Field of View	Horizontal: 185°; Vertical: 180°					HLC	Yes	
Iris Control	Fixed					WDR	DWDR	
Close Focus Distance	0.4 m (1.31 ft)					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom	
	Detect	Observe	Recognize	Identify		Gain Control	Auto	
	40.0 m (131.23 ft)	16.0 m (52.49 ft)	8.0 m (26.2 ft)	4.0 m (13.12 ft)		Noise Reduction	3D NR	
DORI Distance	*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.					Motion Detection	OFF/ON (4 areas, rectangular)	
						Region of Interest (RoI)	Yes (4 areas)	
						Defog	Yes	
						Privacy Masking	4 areas	
Smart Event						Audio		
Heat Map	Yes					Built-in MIC	Yes, built-in dual Mic	
Professional, intelligent						Audio Compression	PCM; G.711A; G.711Mu; G.726; G.723	
IVS (Perimeter Protection) Intrusion; tripwire						Alarm		
exiting, and staying separate when the number of people staying exceeds the thresho reports based on year, mont Supports 4 rules to count th area and will trigger alarm li			d. It can display and export h, week, day or custom time. e number of people in nkage when the average			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	
	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					Network		
						Network Port	RJ-45 (10/100/1000 Base-T)	

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)

Ordering Information						
Туре	Model	Description				
8MP Camera	DH-IPC-EBW8842-AS	8 MP IR Fisheye WizMind Network Camera				
	IPC-EBW8842-AS	8 MP IR Fisheye WizMind Network Camera				
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

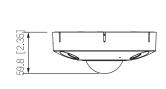
PFB302S Wall-mount Bracket

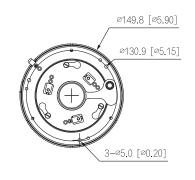


PFA132-E Junction Box

Junction Mount	Celling Mount	Wa <b>ll</b> Mount
PFA132-E	PFA100+PFB300C	PFA100+PFB302S

# Dimensions (mm[inch])





Gross Weight

1.21 kg (2.67 lb)