



DH-IPC-EBW8842-AS-IVC

8 MP IR Fisheye WizMind Network Camera with Panomorph Lens



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

Technical Specification						Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event
Camera				Video	videos		
Image Sensor	1/1.7" CMOS					video	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						Main stream: 3280 × 2480@(1–25/30 fps) sub stream: 704 × 576@(1–25/30 fps)
Scanning System	Progressive					Video Frame Rate	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) 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.
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)	3 (IR LED)					3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M
Lens					Resolution	(1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)	
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	1.29 mm					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	0.2 m (0.66 ft)					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
	Detect	Observe	Recognize	Identify		Gain Control	Auto
	27.9 m (91.54 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)	2.8 m (9.19 ft)		Noise Reduction	3D NR
DORI Distance			cognize, Identif	is a Motion Detection	Motion Detection	OFF/ON (4 areas, rectangular)	
	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.					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)	Tripwire, intru detection of h		functions supp	ort accurate		Alarm	
People Counting	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. Supports 4 rules to count the number of people in area and will trigger alarm linkage 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	
	month, week, day or custom time					Network Port	RJ-45 (10/100/1000 Base-T)

SDK and API	Yes		
Security	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; RTMI 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-IVC	8 MP IR Fisheye WizMind Network Camera with Panomorph Lens				
	IPC-EBW8842-AS-IVC	8 MP IR Fisheye WizMind Network Camera with Panomorph Lens				
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

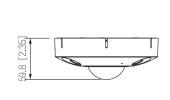
PFB302S Wall-mount Bracket

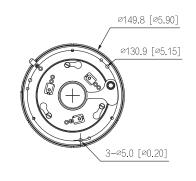


PFA132-E Junction Box

Junction Mount	Celling Mount	Wa ll Mount
PFA132-E	PFA100+PFB300C	PFA100+PFB302S

Dimensions (mm[inch])





Gross Weight

1.21 kg (2.67 lb)