

DH-IPC-HDBW5242H-ZHE-MF

2MP Vari-focal Dome WizMind Network Camera



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 starlight solution and deep learning algorithm, Dahua WizMind 5 Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The series camera supports dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10 (Supported by some select models).

Functions

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.

Face Attributes

With deep learning algorithm, the network camera can recognize face attributes, such as gender, age, expression, glasses, mouth mask, and beard.

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.

- 2MP, 1/1.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @60 fps
- Max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Alarm: 3 in, 2 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card
- 24V AC/PoE/12V DC power supply (power input ports vary depending on power supply)
- ePoE, IP67, IK10 protection
- Anti-corrosion coating (optional)
- Supports junction box mount
- SMD Plus



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 yearly/monthly/daily reports to meet your requirements.

ePoE

Dahua's innovative ePoE technology offers a new solution to transmit power and data over long distances between cameras and network switch, allowing more flexible design of surveillance system, improving reliability, reducing installation time and saving money. ePoE technology encompasses pure network systems where a single CAT6 cable can carry signals up to 300 m (984 ft) at 100 Mbps, 800 m (2625 ft) at 10 Mbps.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading 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 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.

Wiz Mind | DH-IPC-HDBW5242H-ZHE-MF

Technical Specification

Image Sensor1/1.8" CMOSImax. Resolution1920 (H) × 1080 (V)ROM128 MBRAM1 GBScanning SystemProgressiveFlectronic Shutter SpeedAuto/Manual 1/3 s-1/100,000 sMin. Illumination0:003 Lux@F1.8 (Color, 30IRE) 0.0003 Lux (IILuminator on)S/N Ratio>56 dBIllumination Distance50 m (164 ft) (IR LED)Illuminator On/Off ControlA(to/ManualIlluminator Number3 (IR LED)Pan/Tilt/Rotation RangePar: 0°-355° Tit: 0°-80° Ratator: 0°-355°LensVoirzed vari-focalMount Type414Focal Length2.7 mm-18 mmMax. ApertureF1.8 (Constant)Field of ViewHorizontal: 107"-33.9" vertical: 69"-19" Diagonal: 134"-38.8"Iris TypeAuto	Camera					
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Field of View Vertical: 69°–19° Diagonal: 134°–38.8° Iris Type Auto	Max. Aperture		F1.8 (Constant)			
	Field of View		Vertical: 69°–19°			
	Iris Type		Auto			
Close Focus Distance W/T: 1.2 m (3.9 ft)	Close Focus Distance		W/T: 1.2 m (3.9 ft)			
Lens Detect Observe Recognize Identify	DORI Distance	Lens	Detect	Observe	Recognize	Identify
(130.7 ft) $(52.5 ft)$ $(26.2 ft)$ $(13.1 ft)$		W				
T 130.7 m 52.0 m 26.0 m 13.0 m (428.8 ft) (170.6 ft) (85.3 ft) (42.7 ft)		т				

Smart Event

IVS	Abandoned object; missing object		
Heat Map	Yes		
Professional, intelligent			

I, Ige

IVS (Perimeter Protection)	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
Face Detection	Face detection; track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear), mask, beard; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting

People Counting	Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/ monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.		
Intelligent 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; H.264B; MJPEG (only supported by the sub stream)		
Smart Codec	Smart H.265+/H.264+		
Video Frame Rate	Main stream: 1920 × 1080 (1 fps–50/60 fps) Sub stream: D1 (1 fps–50/60 fps) Third stream: 1080p (1 fps–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	3 streams		
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (354 × 288/354 × 240)		
Bit Rate Control	CBR/VBR		
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 32 kbps–8192 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/Manual		
Noise Reduction	3D NR		
Motion Detection	OFF/ON (4 areas, rectangular)		
Region of Interest (RoI)	Yes (4 areas)		
Electronic Image Stabilization (EIS)	Yes		
Smart Illumination	Yes		
Defog	Yes		
Image Rotation	0°/90°/180°/270°		
Mirror	Yes		
Privacy Masking	4 areas		
Audio			
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723		
Alarm			
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management		

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Network

Network		
Network	RJ-45 (10/100 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	
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	
User/Host	20 (Total bandwidth: 80 M)	
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS	
Browser	IE: IE8 and later Chrome Firefox Safari: Safari 12 and later	
Management Software	Smart PSS; DSS; DMSS	
Mobile Phone	IOS; Android	
Certification		
Certification	CE-LVD: EN62368-1,EN60950-22 (optional) CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07,UL CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07, UL 50E NEMA Type 4X (optional)	
Port		
Audio Input	1 channel (terminal)	
Audio Output	1 channel (terminal)	
Alarm Input	3 channels in: 5mA 3V–5V DC	
Alarm Output	2 channels out: 300mA 12V DC	
Power		
Power Supply	12V DC (±25%)/24V AC (±30%)/PoE (802.3af)/ePoE	
Power Consumption	Basic power consumption: 3.6W (12V DC); 3.1W (24V AC); 4.4W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED + focus): 11.7W (12V DC); 11.3W (24V AC); 11.9W (PoE)	
Environment		
Operating Conditions	–40°C to +60°C (–40°F to +140°F)/Less than 95% RH	
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)	
Protection Grade	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (optional	
Structure		
Structure Casing	Metal	
	Metal 129.1 mm × Φ157.9mm (5.1"× Φ6.2")	
Casing		

Ordering Information				
Туре	Model	Description		
	DH-IPC-HDBW5242HP-ZHE- MF	2MP Vari-focal Dome WizMind Network Camera , PAL		
2MP Camera Accessories (Optional)	DH-IPC-HDBW5242HN- ZHE-MF	2MP Vari-focal Dome WizMind Network Camera , NTSC		
	IPC-HDBW5242HP-ZHE-MF	2MP Vari-focal Dome WizMind Network Camera , PAL		
	IPC-HDBW5242HN-ZHE-MF	2MP Vari-focal Dome WizMind Network Camera , NTSC		
	PFA773	Wall Mount		
	PFB211W	Pole Mount		
	PFA152-E	Pole Mount		
	PFA101	Ceiling Mount		
	PFB300C	Ceiling Mount		
	PFM900-E	Integrated Mount Tester		
	PFM321D	12V 1A Power Adapter		

Accessories



Wall Mount

PFA101

Ceiling Mount

PFM321D



PFB211W

Pole Mount



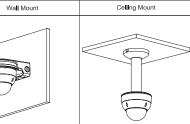
PFA152-E Pole Mount

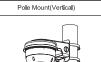


PFM900-E Integrated Mount Tester



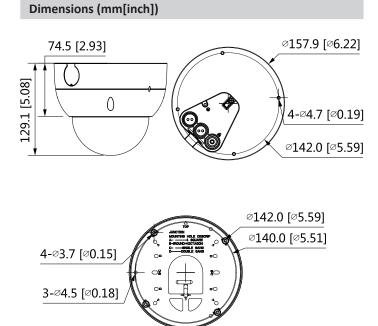
12V 1A Power Adapter Junction Mount Wall Mount







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