



DH-IPC-HDBW5242E-ZE-MF

2MP IR 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 dustproof 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.

- · 1/1.8" 2Megapixel progressive scan CMOS
- · ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- · 50/60 fps@1080P (1920 × 1080)
- · WDR (140 dB), Day/Night (ICR), 3D NR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
- · 2.7 mm-12.0 mm motorized lens
- · 1/1 Alarm in/out, 1/1 audio in/out
- · Max. IR LEDs Length 40 m
- · Micro SD memory, IP67, IK10
- · 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 ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification								Support the counting of enter number, leave
Camera								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
Image Sensor		1/1.8" CMOS					People Counting	
Max. Resolution		1920 (H) × 1080 (V)						and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time
RAM		1 GB					and link alarm	
ROM		128 MB					Smart Event	
Scanning System		Progressive					IVS	Abandoned object; missing object
Electronic Shutter Speed		Auto/Manual, 1/3 s– 100,000 s					Heat Map	Yes
S/N Ratio		> 56 dB					Video	
Minimum Illumination		0.003 Lux@F1.8 (Color, 30IRE) 0.0003 Lux@F1.8 (B/W, 30IRE) 0 Lux (Illuminator on)					Compression	H.265,H.264,H.264B,H.264H, MJPEG (only supported by the sub stream)
Illumination Dis	Illumination Distance		40 m (131 ft)				Smart Codec	Smart H.265+/ Smart H.264+
Illuminator On/Off Control		Auto/Manual					Streaming Capability	3 Streams
Illuminator Number		3 (IR LED)					Resolution	1080P (1920 × 1080)/1.3M (1280 × 960)/720P (1280 × 720)/D1 (704 × 576/704 × 480)/VGA (640 × 480)/ CIF (352 × 288/352 × 240)
Lens	Lens							Main Stream:1920 × 1080 (1 fps–50/60 fps)
Lens Type		Motorized vari-focal					Frame Rate	Sub Stream: D1 (1 fps-25/30 fps) D1 (1 fps-50/60 fps)
Mount Type		Board-in						Third Stream: 1080P (1 fps–25/30 fps) *The values above are the max. frame rates of each
Focal Length		2.7 mm-12.0 mm						stream; for multiple streams, the values will be subjected to the total encoding capacity.
Max. Aperture		F1.8					Bit Rate Control	CBR/VBR
Angle of View		Horizontal: 114°–47°, Vertical: 62°–26°					Bit Rate	H.264: 32 Kbps-8192 Kbps H.265: 19 Kbps-8192 Kbps
Aperture Type		Auto					Day/Night	Auto (ICR)/Color/B/W
Close Focus Distance		1.2 m (3.94 ft)					BLC Mode	BLC/HLC/WDR (140 dB)
	Lens	Detect	Observe	Recognize	Identify		Scene Self-adaptation (SSA)	Yes
DORI Distance	W	41.0 m (134.5 ft)	16.4m (53.8 ft)	8.2 m (26.9 ft)	4.1 m (13.5 ft)		White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
	Т	93.4 m (306.4 ft)	37.3 m (122.4 ft)	18.6 m (61.0 ft)	9.3 m (30.5 ft)		Gain Control	Auto/Manual
Pan/Tilt/Rota	ation						Noise Reduction	3D NR
Pan/Tilt/Rotation	on Range	Pan: 0°-355°; Tilt: 0°-65°; Rotation: 0°-355°					Motion Detection	OFF/ON (4 areas, rectangular)
Professional, intelligent							Region of Interest	Yes (4 areas)
Face Detection		Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face					Electronic Image Stabilization (EIS)	Yes
		enhancement; face exposure; face attribute extraction including 6 attributes (gender, age, glasses, expressions, mask and beard) and 8 expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear); mask; beard; face snapshot set as face or one-inch photo; 3 snapshot strategies (real-time snapshot, optimization snapshot and quality priority); face angle filter;					Smart Illumination	Yes
							Defog	Yes
							Flip	0°/90°/180°/270°
							Mirror	Yes
		optimization time setting					Privacy Masking	Off/On (8 areas, rectangular)
Perimeter Protection		Tripwire; intrusion; fast moving (the three functions support the class ification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection					Audio	
							Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723

Alarm	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;aban doned object;missing object;fast moving;parking detection;loitering detection;people gathering;audio detection;people counting;face detection;People counting in area;Stay alarm;People No. exception detection;Queue Management					
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; Bonjour					
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P					
User/Host	20 Users					
Storage	NAS; FTP; SFTP; Micro SD card (support max. 256 G)					
Browser	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)					
Management Software	Smart PSS; DSS; DMSS					
Mobile Phone	iOS; Android					
Certifications						
Certifications	CE-LVD: EN62368-1 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					
Interface						
Audio Interface	1/1 channel In/Out					
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC					
Electrical						
Power Supply	DC 12V (±30%)/AC 24V (±30%)/PoE (802.3af)/ePoE					
Power Consumption	Basic power consumption: 4.9W (12V DC); 5.1W (24V AC); 5.2W (PoE) Max. power consumption (max. stream + intelligent function + IR LED + focus): 12.4W (12V DC); 11.9W (24V AC); 11.6W (PoE)					
Environmental						
Operating Conditions	-30° C to +60° C (–22° F to +140° F)/Less than 95% RH					
Storage conditions	-40° C to +60° C (-40° F to +140° F)					
Protection Grade	IP67; IK10					
Construction						
Casing	Metal					

Dimensions	Φ159.0 mm × 117.9 mm (6.26" × 4.64")
Net Weight	0.95 kg (2.09 lb)
Gross Weight	1.20 kg (2.65 lb)

Ordering Information						
Туре	Part Number	Description				
	DH-IPC- HDBW5242EP- ZE-MF	2MP IR Vari-focal Dome WizMind Network Camera, PAL				
2MP camera	DH-IPC- HDBW5242EN- ZE-MF	2MP IR Vari-focal Dome WizMind Network Camera, NTSC				
	IPC-HDBW5242EP- ZE-MF	2MP IR Vari-focal Dome WizMind Network Camera, PAL				
	IPC-HDBW5242EN- ZE-MF	2MP IR Vari-focal Dome WizMind Network Camera, NTSC				
	PFA138	Junction Mount				
	PFB211W	Wall Mount				
	PFB300C	Ceiling Mount				
Accessories (optional)	LR1002	ePoE Over Coax Converter				
	PFA152-E	Pole Mount				
	PFA101	Mount Adapter				
	PFB201C	In-ceiling Mount				

Accessories

Optional:







PFB211W Wall Mount



PFB300C Ceiling Mount







PFA152-E Pole Mount

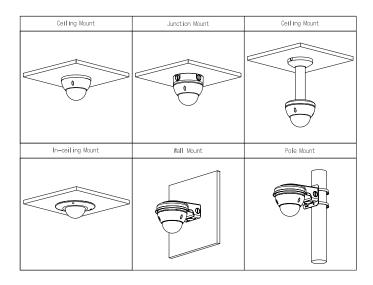


PFA101 Mount Adapter



Converter

PFB201C In-ceiling Mount



Dimensions (mm[inch])

