



DH-IPC-HFW5241E-Z12E

2MP IR Vari-focal Bullet 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.

- · 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- · 25/30 fps@1080P (1920 × 1080)
- · WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
- · 5.3 mm-64.0 mm motorized lens
- · 2/1 Alarm in/out, 1/1 audio in/out
- · Max. IR LEDs Length 150 m
- · Micro SD memory, IP67, IK10













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 ePoE technology provides a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

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					General Intelligence		
Camera						Motion detection, Video tampering , Scene	
Image Sensor		1/2.8" 2Megapixel progressive scan STARVIS™ CMOS				Event Trigger	changing, Network disconnection , IP address conflict, Illegal Access, Storage anomaly
Max. Resolution		1920 (H) × 1080 (V)				General Intelligence	Object Abandoned/Missing
RAM/ROM		512 MB/128 MB				Heat Map	Yes
Scanning System		Progressive					
Electronic Shutter Speed		Auto/Manual, 1/3 s–1/100000 s				Video	
S/N Ratio		> 56 dB				Compression	H.265,H.264,H.264B,H.264H, MJPEG (only supported by sub stream)
Minimum Illumination		0.002 Lux@F1.5				Smart Codec	Smart H.265+/ Smart H.264+
Illumination Distance		Distance up to 150 m (492 ft)				Streaming Capability	3 Streams
Illuminator On/Off Control		Auto/Manual				Resolution	1080P (1920 × 1080)/1.3 M (1280 × 960)/720P (1280 × 720)/D1 (704 × 576/704 × 480)/VGA (640 × 480)/CIF (352 × 288/352 × 240)
Illuminator Number		4(IR LED)					Main Stream: 1080P (1 fps-25/30 fps)
Lens		Motorized vari	focal			Frame Rate	Sub Stream: D1 (1 fps–25/30 fps)
Lens Type Mount Type		Motorized vari-focal					Third Stream: 1080P (1 fps–6 fps)
Mount Type		Board-in 5.3 mm-64.0 mm				Bit Rate Control	CBR/VBR
Focal Length Max. Aperture		5.3 mm-64.0 mm				Bit Rate	H.264: 32 Kbps-8192 Kbps H.265: 19 Kbps-7424 Kbps
Angle of View		H: 58°-4°, V: 34°-2°				Day/Night	Auto (ICR)/Color/B/W
Aperture Type		Auto (HALL)				BLC Mode	BLC/HLC/WDR (120 dB)
Close Focus Distance		1.0 m-1.5 m (3.28 ft-4.92 ft)				White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
	Lens	Detect	Observe	Recognize	Identify	Gain Control	Auto/Manual
DORI Distance	W	73m(240ft)	29m(95ft)	15m(49ft)	7m(23ft)	Noise Reduction	3D DNR
	Т	883m(2897ft)	353m(1158ft)	177m(580ft)	88m(289ft)	Motion Detection	Off/On (4 Zone, Rectangle)
Pan/Tilt/Rotation						Region of Interest	Off/On (4 Zone)
Pan/Tilt/Rotation	Pan/Tilt/Rotation Range		ïlt: 0°–90°; Rotat	ion: 0°–360°		Electronic Image Stabilization (EIS)	Yes
Artificial Intel	ligence					Smart Illumination	Yes
		Face detection; track; optimization; snapshot; report high				Defog	Yes
		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			ns: Gender,	Flip	0°/90°/180°/270°
Face Detection					eard; face	Mirror	Off/On
		matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot,			apshot,	Privacy Masking	Off/On (4 Area, Rectangle)
		quality priority; face angle filter; optimization time setting				Audio	
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			tion	Audio Compression	G.711a, G.711Mu, AAC, G.726, G.723
					ople	Alarm	
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				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;voltage detection;People counting in area;Stay alarm;People No. exception detection;Queue Management

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Network					
Network	RJ-45 (10/100 Base-T)				
SDK and API	Yes				
Protocol	IPv4;IPv6;HTTP;HTTPs;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMF				
Interoperability	ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P				
User/Host	20 Users				
Storage	NAS;FTP;SFTP;Dahua Cloud Micro SD card 256 GB				
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	2 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC				
Electrical					
Power Supply	DC 12V (±30%), PoE (802.3af)				
Power Consumption	<10.3W				
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, plastic				
Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74")				

Ordering Information						
Type	Part Number	Description				
	DH-IPC- HFW5241EP-Z12E	2MP IR Vari-focal Bullet WizMind Network Camera, WDR, PAL				
2040	DH-IPC- HFW5241EN-Z12E	2MP IR Vari-focal Bullet WizMind Network Camera, WDR, NTSC				
2MP camera	IPC-HFW5241EP- Z12E	2MP IR Vari-focal Bullet WizMind Network Camera, WDR, PAL				
	IPC-HFW5241EN- Z12E	2MP IR Vari-focal Bullet WizMind Network Camera, WDR, NTSC				
Accessories (optional) PFA152-E		Pole mount				

Accessories

Optional:



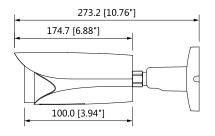


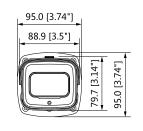
PFA152-E Pole Mount

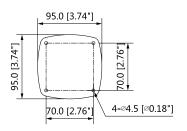
LR1002 ePoE Over Coax Converter

Ceiling Mount	Wall Mount	Pole Mount
		PFA152-E

Dimensions (mm[inch])







Net Weight

Gross Weight

3.74")

1.11 kg (2.44 lb)

1.51 kg (3.33 lb)