



DH-IPC-HFW5842E-ZE-S2

8 MP 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.

- 8-MP 1/1.8" CMOS image sensor, low illuminance, and high definition
- Outputs max. 8 MP (3840× 2160) @30 fps.
- · Max. IR distance: 60 m.
- ROI, SVC, SMART H.264 +/H.265+, AI 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: 2 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card.
- 12 VDC/PoE power supply.
- ePoE, IP67, IK10 protection.
- SMD 3.0













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.

ePoF

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 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.

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	l Specification	on						Support the counting of enter number, leave number
Camera	•							and pass number, and displaying and outputting yearly/monthly/daily reports.
Image Sensor		1/1.8" CMOS					People Counting	Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and
Max. Resolution		3840 (H) × 2160 (V)					link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.	
ROM		128 MB				Intelligent Search	Work together with Smart NVR to perform refine	
RAM		1 GB					intelligent search, event extraction and merging to event videos.	
Scanning System		Progressive					Video	
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported
Min. Illumination		0.004 lux@F1.4 (Color, 30 IRE) 0.0004 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)					Smart Codec	by the sub stream) Smart H.265+/H.264+
S/N Ratio	S/N Ratio		> 56 dB				Al Coding	AI H.265; AI H.264
Illumination	Distance	60 m (196.9 ft)						Main stream: 3840× 2160 (1 fps–25/30 fps)
Illuminator On/Off Control		Auto; Manual					Video Frame Rate	Sub stream: D1 (1 fps–25/30 fps) Third stream: 1080p (1 fps–25/30 fps) *The values above are the max. frame rates of each stream; for
Illuminator Number		4 (IR)						multiple streams, the values will be subjected to the total encoding capacity.
Lens							Stream Capability	3 streams
Lens Type		Motorized vari-focal						3840 x 2160; 2592 x 1944; 2688 × 1520; 2560 × 1440;
Lens Mount		ф14					Resolution	2304 × 1296; 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA
Focal Length		2.7 mm–12.0 mm					Dit Data Cantual	(640 × 480); CIF (352 × 288/352 × 240)
Max. Aperture		F1.4					Bit Rate Control	CBR/VBR H.264: 32 kbps–8192 kbps
Field of View		Horizontal: 110.4°–45° Vertical: 57.8°–25.2° Diagonal: 133.8°–51.8°					Video Bit Rate Day/Night	H.265: 32 kbps-8192 kbps Auto (ICR)/Color/B/W
Iris Control		Auto					BLC	Yes
Close Focus	Distance	W/T:1.0 m (3.3 ft)					HLC	Yes
	Lens	Detect	Observe	Recognize	Identify			
DORI	W	86 m	34.4 m	17.2 m	8.6 m (28.2 ft)		WDR	120 dB Auto; natural; street lamp; outdoor; manual; regional
Distance	-	(282.2 ft) 196 m	(112.9 ft) 78.4 m	(56.4 ft) 39.2 m	19.6 m		White Balance	custom
	Т	(643.0 ft)	(257.2 ft)	(128.6 ft)	(64.3 ft)		Gain Control	Auto; manual
Smart Event							Noise Reduction	3D NR
IVS		Abandoned object; missing object					Motion Detection	OFF/ON (4 areas, rectangular)
Heat Map		Yes					Region of Interest (RoI)	Yes (4 areas)
Professional, intelligent							Image Stabilization	Electronic Image Stabilization (EIS)
IVS (Perimet	ter Protection)	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection					Defog	Yes
TV3 (Fernineter Frotection)		of vehicle and human); loitering detection; people gathering; parking detection					Image Rotation	0°/90°/180°/270°(Support 90°/270° with 4M resolution and lower)
Face Detection		Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot,					Mirror	Yes
							Privacy Masking	8 areas
							Audio	
		quality priority and optimization snapshot); face angle filter; optimization time setting.					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				
Network					
Network Port	RJ-45 (10/100 Base-T)				
SDK and API	Yes				
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade				
Network 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; SAMBA; PPPoE; 802.1x; SNMP				
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; 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				
Management Software	Smart PSS; DSS; DMSS				
Mobile Client	iOS; Android				
Certification					
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				
Port					
Audio Input	1 channel (RCA port)				
Audio Output	1 channel (RCA port)				
Alarm Input	2 channels in: 5 mA 3V–5 VDC				
Alarm Output	1 channels out: 300 mA 12 VDC				
Power					
Power Supply	12 VDC (±30%)/PoE (802.3af)/ePoE				
Power Consumption	Basic power consumption: 6.4W (12V DC); 6.9W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED + focus): 7.1W (12V DC); 7.9W (PoE)				
Environment					
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)/Less than 95% RH				
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Protection	IP67, IK10				

Structure

Casing	Metal, plastic
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74")
Net Weight	1.11 kg (2.44 lb)
Gross Weight	1.51 kg (3.33 lb)

Ordering Information						
Туре	Model	Description				
8MP	DH-IPC-HFW5842EP-ZE- 2712-S2	8 MP IR Vari-focal Bullet WizMind Network Camera, PAL				
Camera	IPC-HFW5842EP-ZE-2712-S2	8 MP IR Vari-focal Bullet WizMind Network Camera, PAL				
	PFA152-E	Pole mount Bracket				
	PFA121	Junction Box				
Accessories (Optional)	PFM321D	12 VDC1A Power Adapter				
	PFM900-E	Integrated Mount Tester				
	TF-P100/256G	MicroSD Memory Card				

Accessories

Optional:







PFA121 Junction Box



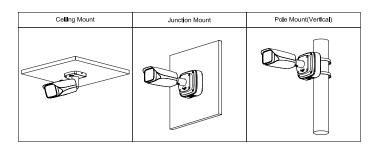




PFM900-E Integrated Mount Tester



TF-P100/256G MicroSD Memory Card



Dimensions (mm[inch])

