



# DH-IPC-HFW5842T-ASE-S2

8 MP IR Fixed-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, high image definition
- Outputs max. 8 MP (3840× 2160) @30 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: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, Built-in Mic.
- 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.

## 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 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 Specification								Face detection; track; snapshot optimization;
Camera							Face Detection	snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three
Image Sensor		1/1.8" CMOS						snapshot methods: real-time snapshot, optimized snapshot, quality priority snapshot; face angle filter; optimization time setting
Max. Resolution		3840 (H) × 2160 (V)						optimization time setting
ROM	ROM		128 MB					Support the counting of enter number, leave number
RAM		1 GB					People Counting	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.  Work together with Smart NVR to perform refine
Scanning System		Progressive						
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s						
Min. Illumination		0.004 Lux@F1.4 (Color, 30IRE) 0.0004 Lux@F1.4 (B/W, 30IRE) 0 lux (Illuminator on)						
S/N Ratio		> 56 dB					Intelligent Search	intelligent search, event extraction and merging to event videos.
Illumination	Illumination Distance		2.8 mm: 30 m (98.4 ft) 3.6 mm: 30 m (98.4 ft)				Audio	
	- /	6 mm: 50 m (164.0 ft)					Built-in MIC	Yes
	On/Off Control	Auto; manual					Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
Illuminator	Number	4 (IR)					Video	
Pan/Tilt/Ro	tation Range	Pan: 0°–360° Tilt: 0°–90°					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
		Rotation: 0°–360°					Smart Codec	Smart H.265+/H.264+
Lens Type	Lens Type		Fixed-focal				Video Frame Rate	Main stream: 3840× 2160 (1 fps–25/30 fps) Sub stream: D1 (1 fps–25/30 fps)
Lens Mount		M16						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.
Focal Length		2.8 mm; 3.6 mm; 6 mm						to the total encoding capacity.
Max. Aperti	Max. Aperture						Stream Capability	3 streams
Field of View		2.8 mm: Horizontal 111°; Vertical 59°; Diagonal 131° 3.6 mm: Horizontal 87°; Vertical 47°; Diagonal 102° 6 mm: Horizontal 55°; Vertical 30°; Diagonal 64° Fixed					Resolution	3840 × 2160; 3072 × 2048; 3072 × 1728; 2592 × 1944; 2688 × 1520; 2048 × 1536; 2304 × 1296; 1080p (1920 × 1080); 1.3 M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
inis control		2.8 mm: 1.8 m (5.9 ft)					Bit Rate Control	CBR/VBR
Close Focus Distance		3.6 mm: 2.5 m (8.2 ft) 6 mm: 4.3 m (14.1 ft)					Video Bit Rate	H.264: 3 kbps–20480 kbps
	Lens	Detect	Observe	Recognize	Identify		Day/Night	H.265: 3 kbps–20480 kbps Auto (ICR)/Color/B/W
	2.8 mm	85.4 m	34.2 m	17.1 m	8.5 m		BLC	Yes
DORI Distance		(280.2 ft) 106 m	(112.2 ft) 42.4 m	(56.1 ft) 21.2 m	(27.9 ft) 10.6 m		HLC	Yes
	3.6 mm	(347.8 ft)	(139.1 ft)	(69.6 ft)	(34.8 ft)		WDR	120 dB
	6 mm	164.8 m (540.7 ft)	65.9 m (216.2 ft)	33 m (108.3 ft)	16.5 m (54.1 ft)		White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Smart Event							Gain Control	Auto; manual
IVS		Abandoned object; missing object					Noise Reduction	3D NR
Heat Map	1	Yes					Motion Detection	OFF/ON (4 areas, rectangular)
Professional, intelligent							Region of Interest (RoI)	Yes (4 areas)
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					Defog	Yes
							Image Rotation	0°/90°/180°/270°(Support 90°/270° with 4M resolution and lower)

Mirror

Yes

Privacy Masking	8 areas
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; 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; P2F
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	1 channel in: 5mA 3–5 VDC
Alarm Output	1 channel out: 300 mA 12 VDC
Power	
Power Supply	12 VDC (±30%)/PoE (802.3af)/ePoE
Power Consumption	Basic power consumption: 3.9W (12 VDC); 4.8W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED): 8.2W (12 VDC); 9.5W (PoE
Environment	
Operating Temperature	-40°C to +60°C (-40°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	
Product Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.61" × 3.11" × 2.99")	
Net Weight	0.815 kg (1.80 lb)	
Gross Weight	1.08 kg (2.38 lb)	

Ordering Information						
Туре	Model	Description				
	DH-IPC-HFW5842TP-ASE- 0280B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
	DH-IPC-HFW5842TP-ASE- 0360B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
8 MP	DH-IPC-HFW5842TP-ASE- 0600B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
Camera	IPC-HFW5842TP-ASE- 0280B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
	IPC-HFW5842TP-ASE- 0360B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
	IPC-HFW5842TP-ASE- 0600B-S2	8 MP IR Fixed-focal Bullet WizMind Network Camera, PAL				
	PFA130-E	Junction Box Bracket				
	PFA152-E	Pole Mount Bracket				
Accessories (Optional)	PFM321D	12 VDC 1A Power Adapter				
(Optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender				
	PFM900-E	Integrated Mount Tester				

# Accessories

# **Optional**







PFA130-E Junction Box Bracket

PFA152-E Pole Mount Bracket

PFM321D 12 VDC 1 A Power Adapter

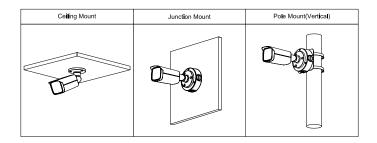


LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM900-E Integrated Mount Tester





# Dimensions (mm[inch])

