



DH-IPC-HFW5449T-ASE-LED

4MP Full-color Fixed-focal Warm LED 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.

- 4MP 1/1.8" CMOS image sensor, low illuminance, high image definition.
- Outputs max. 4MP (2688 × 1520) @30 fps.
- Built-in warm illuminator, and the max. illumination distance is 60 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.
- 12V DC/PoE power supply.
- · ePoE, IP67 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.

Full-color

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

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, 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.

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; snapshot			
Camera							Face Detection	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, quality priority and optimization snapshot); face
Image Sensor		1/1.8" CMOS						
Max. Resolution		2688 (H) × 1520 (V)						
ROM		128 MB						
RAM		512 MB						angle filter; optimization time setting.
Scanning System		Progressive						
Electronic Shutter Speed		Auto/Manual 1/3 s=1/100,000 s						Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face
Min. Illumina	ntion	0.0005 Lux@F1.0						enhancement; face exposure; face attributes extraction including 6 attributes (gender, age, glasses,
S/N Ratio		> 56 dB					People Counting	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,
Illumination I	Distance	60m (196.85 f	ft)					
Illuminator On/Off Control		Auto; manual						quality priority and optimization snapshot); face angle filter; optimization time setting.
Illuminator N	lumber	4 (Warm light	:)					Work together with Smart NVR to perform refine
Pan/Tilt/Rotation Range		Pan: 0°-360° Tilt: 0°-90° Rotation: 0°-360°					Intelligent Search	intelligent search, event extraction and merging to event videos.
Lens		Notation. 0 300					Audio	
Lens Type		Fixed-focal					Built-in MIC	Yes
Lens Mount		M16					Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
Focal Length		2.8 mm; 3.6 n	nm; 6 mm				Video	Hass Hass Hasse Hasse Hasse
Max. Apertui	re	F1.0					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
				ertical 60° × Dia	-		Smart Codec	Smart H.265+/H.264+
Field of View	'			rtical 51° × Diag ical 31° × Diago	-			Main stream: 2688 × 1520 (1 fps–25/30 fps)
Iris Control		Fixed					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 multiple streams, the values will be subjected to the total encoding capacity.
Close Focus I	Distance	2.8 mm: 1.6 m (5.2 ft) 3.6 mm: 2.6 m (8.5 ft) 6 mm: 5.1 m (16.7 ft)						
	Lens	Detect	Observe	Recognize	Identify		Stream Capability	3 streams
DORI	2.8 mm	58.2 m (190.9 ft)	23.3 m (76.4 ft)	11.6 m (38.1 ft)	5.8 m (19.0ft)		Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF
Distance	3.6 mm	70.3 m (230.6 ft)	28.1 m (92.2 ft)	14.1 m (46.3 ft)	7.0 m (23.0 ft)		Bit Rate Control	(352 × 288/352 × 240) CBR/VBR
	6 mm	116.1m	46.5 m	23.2 m	11.6m		Video Bit Rate	H.264: 3 kbps–20480 kbps
		(380.9 ft)	(152.6 ft)	(76.1 ft)	(38.1 ft)			H.265: 3 kbps–20480 kbps
Smart Event		Alternation and allegate materials as the set					Day/Night	Color/B/W
IVS		Abandoned object; missing object					BLC	Yes
Heat Map		Yes					HLC WDR	Yes 140dB
Professional, intellige		Tripwire; intrusion; fast moving (the three functions						Auto; natural; street lamp; outdoor; manual; regional
IVS (Perimeter Protection)		support the classification and accurate detection of vehicle and human); loitering detection; people					White Balance	custom
		gathering; parking detection					Gain Control	Auto; manual

Noise Reduction	3D NR	
Motion Detection	OFF/ON (4 areas, rectangular)	
Region of Interest (RoI)	Yes (4 areas)	
Defog	Yes	
Image Rotation	0°/90°/180°/270°	
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		
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
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Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5mA 3V–5V DC
Alarm Output	1 channel out: 300mA 12V DC

Power

Power Supply	12V DC (±30%)/PoE (802.3af)/ePoE			
Power Consumption	Basic: 2.6 W (12 VDC); 3.4 W (PoE) Max. (H.265 + 3 streams + intelligence + LED): 7.3 W (12 VDC); 8.5 W (PoE)			
Environment				
Operating Temperature	-40° C to $+60^{\circ}$ C (-40° F to $+140^{\circ}$ F)/Less than 95% RH			
Storage Temperature	-40°C to +60°C (-40°F to +140°F)			
Protection	IP67			
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-HFW5449TP-ASE- LED-0280B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
	DH-IPC-HFW5449TP-ASE- LED-0360B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
4MP	DH-IPC-HFW5449TP-ASE- LED-0600B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
Camera	IPC-HFW5449TP-ASE-LED- 0280B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
	IPC-HFW5449TP-ASE-LED- 0360B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
	IPC-HFW5449TP-ASE-LED- 0600B	4MP Full-color Fixed-focal Warm LED Bullet WizMind Network Camera,PAL		
	PFA130-E	Junction Box Bracket		
	PFA152-E	Pole Mount Bracket		
Accessories (Optional)	PFM321D	12 VDC 1A Power Adapter		
	PFM900-E	Integrated Mount Tester		
	TF-P100	MicroSD Memory Card		



Accessories

Optional



PFA130-E Junction Box Bracket



PFA152-E Pole Mount Bracket



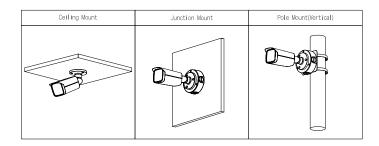
12 VDC 1 A Power Adapter



PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card



Dimensions (mm[inch])

