



DH-IPC-HFW5449T1-ZE-LED

4MP Full-color Vari-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 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.

- · 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 70 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 and speaker.
- · 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							Support the counting of enter number, leave	
Camera							number and pass number, and displaying and outputting yearly/ monthly/weekly/daily reports Support the counting of number in area, and 4 rules configuration Count number of people or stay time and light plants to provide the configuration.	
Image Sensor		1/1.8" CMOS				People Counting		People Counting
Max. Resolution		2688 (H) × 1520 (V)					and link alarm Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm	
ROM		128 MB					Support queue management, and 4 rules configuration. Count number of people or stay time	
RAM		512 MB					and link alarm.	
Scanning System		Progressive					Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s					Video	event videos.
Min. Illumination		0.0005 Lux@F1.0						H.265; H.264; H.264H; H.264B; MJPEG (only
S/N Ratio		> 56 dB					Video Compression	supported by the sub stream)
Illumination Distance		70 m (229.66 ft)					Smart Codec	Smart H.265+/Smart H.264+
Illuminator On	Illuminator On/Off Control		Auto; Manual; Zoomprio				Video Frame Rate	Main stream: 2688 × 1520 (1 fps–25/30 fps) 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.
Illuminator Number		4 (Warm light) Pan: 0°–360°						
Pan/Tilt/Rotation Range		Tilt: -20°-90° Rotation:0°-360°					Stream Capability	3 streams
Lens Lens Type		Motorized vari-focal					Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576704 × 480); VGA
Mount Type		ф16					Bit Rate Control	(640 × 480); CIF (354 × 288/354 × 240) CBR/VBR
Focal Length		2.7 mm–12 mm					Video Bit Rate	H.264: 3 kbps–20480 kbps
Max. Aperture		F1.0						H.265: 3 kbps–20480 kbps
. ,		Horizontal:	115°–48°				Day/Night	Color/B/W
Field of View		Vertical: 59°–27° Diagonal: 142°–55°					BLC	Yes
Iris Type		Auto					HLC	Yes
Close Focus Distance		1.75m(5.74 ft)					WDR	140 dB
	Lens	Detect	Observe	Recognize	Identify		Defog	Yes
DORI	W	60.4 m (198.2 ft)	24.1 m (79.1 ft)	12 m (39.4 ft)	6 m (19.7 ft)		White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Distance	Т	128.6 m	51.4 m	25.7 m	12.8 m		Gain Control	Auto/Manual
		(421.9 ft)	(168.6 ft)	(84.3 ft)	(42.0 ft)		Noise Reduction	3D NR
Smart event						Motion Detection	OFF/ON (4 areas, rectangular)	
IVS		Abandoned object; missing object					Region of Interest (RoI)	Yes (4 areas)
Heat Map		Yes					Image Rotation	0°/90°/180°/270°
Professional, intelligent							Mirror	Yes
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					Privacy Masking	8 areas
							Audio	
Face Detection		Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting					Built-in MIC	Yes
							Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723

VVIZ VIIIQ DH-IPC-HPVV344911-ZE-LED					
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	RJ-45 (10/100 Base-T)				
SDK and API	Yes				
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				
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				
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	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: 2.4 W (12 VDC); 3.4 W (PoE) Max. (H.265 + 3 streams + intelligence + LED): 7.6 W (12 VDC); 9.3 W (PoE)				
Environment					
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/Less than 95% RH				

-40°C to +60°C (-40°F to +140°F)

IP67

Storage Conditions

Protection Grade

Structure

Casing	Metal
Dimensions	288.4 mm × 94.4 mm × 84.7 mm (11.4" × 3.7" × 3.3") (L × W × H)
Net Weight	1.0 kg (2.2 lb)
Gross Weight	1.23 kg (2.7 lb)

Ordering Information							
Туре	Part Number	Description					
4MP Camera	DH-IPC- HFW5449T1P-ZE- LED-2712	4MP Full-color Vari-focal Warm LED Bullet WizMind Network Camera, PAL					
	IPC-HFW5449T1P- ZE-LED-2712	4MP Full-color Vari-focal Warm LED Bullet WizMind Network Camera, PAL					
	PFA130-E	Junction Box					
	PFA152-E	Pole Mount					
Accessories	PFM321D	12V DC 1A Power Adapter					
(optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender					
	PFM900-E	Integrated Mount Tester					
	PFM114	TLC SD Card					

Accessories

Optional:



PFA130-E Junction Box



PFA152-E Pole Mount



PFM321D 12V DC 1A Power Adapter



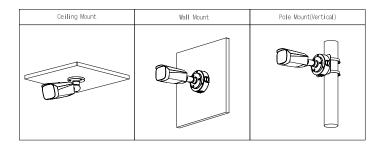
LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM900-E Integrated Mount Tester



PFM114 TLC SD Card



Dimensions (mm[inch])

