



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, SVC, SMART H.264 +/H.265+, AI H.264/H.265, flexible coding, ap plicable 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, support two-way talk.
- · 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.

setting.

Technical Specification								Support the counting of enter number, leave
Camera								number and pass number, and displaying and outputting yearly/ monthly/weekly/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 link alarm Support queue management, 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.
Max. Resolution		2688 (H) × 1520 (V)						
ROM		128 MB						
RAM		512 MB						
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					\/idaa	event videos.
Min. Illumination		0.0005 Lux@F1.0					Video	H.265; H.264; H.264H; H.264B; MJPEG (only
S/N Ratio	S/N Ratio						Video Compression	supported by the sub stream)
Illumination Dis	Illumination Distance		6 ft)				Smart Codec	Smart H.265+/Smart H.264+
Illuminator On,	Off Control	Auto; Manual; Zoomprio						Main stream: 2688 × 1520 (1 fps–25/30 fps) /1920 × 1080 (1 fps–50/60 fps)
Illuminator Number		4 (Warm light) Pan: 0°–360°					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
Pan/Tilt/Rotati	on Range	Tilt: -20°–90° Rotation:0°–360°					Stroom Conshility	total encoding capacity. 3 streams
Lens							Stream Capability	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 ×
Lens Type		Motorized vari-focal					Resolution	1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (354 × 288/354 × 240)
Mount Type		ф16					Bit Rate Control	CBR/VBR
Focal Length		2.7 mm-12 mm					Video Bit Rate	H.264: 3 kbps–20480 kbps
Max. Aperture		F1.0					Day/Night	H.265: 3 kbps–20480 kbps Color/B/W
Field of View	Field of View		115°–48° °–27°				Day/Night BLC	Yes
Iris Tyne	laia Tuna		12°–55°				HLC	Yes
Iris Type Close Focus Distance		Auto						140 dB
Close Focus Dis	Lens	1.75m(5.74		Daggariza	Idontifu		WDR	
	Lens	60.4 m	Observe 24.1 m	Recognize 12 m	Identify 6 m		Defog	Yes Auto/natural/street lamp/outdoor/manual/regional
DORI Distance	W	(198.2 ft)	(79.1 ft)	(39.4 ft)	(19.7 ft)		White Balance	custom
	Т	128.6 m (421.9 ft)	51.4 m (168.6 ft)	25.7 m (84.3 ft)	12.8 m (42.0 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)
Professiona	l, intelligent						Image Rotation	0°/90°/180°/270°
IVS (Perimeter Protection)		Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people					Mirror	Yes
							Privacy Masking	8 areas
		gathering; parking detection					Audio	
Face Detection		Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes (gender, age,					Built-in MIC	Yes
							Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
		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 angle filter; optimization time setting.						

Wiz Mind DH-IPC-HFW544911-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	20°C to 100°C / 22°C to 1140°C // 200 than 000/ DIL					

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 (optional)	PFM321D	12V DC 1A Power Adapter				
	PFM900-E	Integrated Mount Tester				
	TF-P100	MicroSD Memory Card				

Accessories

Optional:



PFA130-E Junction Box



PFA152-E Pole Mount





PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card

-30°C to +60°C (-22°F to +140°F)/Less than 95% RH

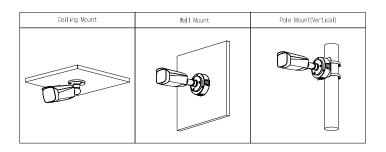
 -40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$)

IP67

Operating Conditions
Storage Conditions

Protection Grade

Wiz Mind | DH-IPC-HFW5449T1-ZE-LED



Dimensions (mm[inch])

