



DH-IPC-HDW5241T-ZE

2MP IR Vari-focal Eyeball 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 Attributes

With deep learning algorithm, the network camera can recognize face attributes, such as gender, age, expression, glasses, mouth mask, and beard.

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.

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.

- · 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @30 fps
- · Built-in IR LED, max. IR distance: 40 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
- · Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/PoE power supply, ePoE network transmission over long distance, easy for installation
- IP67 protection
- · SMD Plus













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 camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading 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/daily reports.
Image Sensor		1/2.8" CMOS					People Counting	Support the counting of number in area, and 4 rules configuration. Count number of people or stay time
Max. Resolution		1920 (H) × 1080 (V)					and link alarm. Support queue management, and 4 rules	
ROM		128 MB					configuration. Count number of people or stay time and link alarm	
RAM		512 MB						
Scanning Sys	Scanning System		Progressive				Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to
Electronic Sh	Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					event videos
Min. Illumination		0.002 Lux@F1.5 (Color, 30IRE) 0.0002 Lux@F1.5 (B/W, 30IRE) 0 Lux (Illuminator on)					Video	Wass Wass Wasse Wasse Albert
S/N Ratio		> 56 dB					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Illumination Distance		40 m (131.2 ft) (IR LED)					Smart Codec	Smart H265+/H264+
Illuminator C	Illuminator On/Off Control		Auto/Manual					Main stream: 1080p (1 fps–25/30 fps)
Illuminator Number		2 (IR LED)					Video Frame Rate	Sub stream: D1 (1 fps–25/30 fps) Third stream: 1080p (1 fps–25/30 fps)
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°					video Frante Nate	*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Lens		Notation. U =300					Stream Capability	3 streams
Lens Type			Motorized vari-focal				Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640
Mount Type		ф14						× 480); CIF (354 × 288/354 × 240)
Focal Length	Focal Length		2.7 mm-13.5 mm				Bit Rate Control	CBR/VBR
Max. Apertur	re	F1.5					Video Bit Rate	H.264: 32 kbps-8192 kbps H.265: 19 kbps-8192 kbps
Field of View		Horizontal: 109°–30° Vertical: 57°–17° Diagonal: 131°–35°					Day/Night BLC	Auto (ICR)/Color/B/W Yes
Iris Type		Auto					HLC	Yes
Close Focus [Close Focus Distance		0.8 m (2.6 ft)					
	Lens	Detect	Observe	Recognize	Identify		WDR	120 dB
DORI	W	44.1 m	17.6 m	8.8 m	4.4 m		Scene Self-adaptation (SSA)	Yes
Distance	T	(144.7 ft) 146.2 m	(57.71 ft) 58.4 m	(28.9 ft) 29.2 m	(14.4 ft) 14.6 m		White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Consort Eve		(479.7 ft)	(191.6 ft)	(95.8 ft)	(47.9 ft)		Gain Control	Auto/Manual
Smart Eve	ent	About done of abitotic transfer in the second secon					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					fti		Electronic Image Stabilization (EIS)	Yes
IVS (Perimeter Protection)		Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people					Smart Illumination	Yes
Face Detection		gathering; parking detection Face detection; track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear), mask, beard; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority: face angle					Defog	Yes
							Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support with 1080p resolution and lower)
							Mirror	Yes
							Privacy Masking	4 areas
							Audio	

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					
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; tripwire; intrusion; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; audio detection; people counting; face detection; voltage 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					
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade					
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP					
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; 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 Safari: Safari 12 and later					
Management Software	Smart PSS, DSS, DMSS					
Mobile Phone	IOS; Android					
Certification						
Certification	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					
Power						
Power Supply	12V DC (±30%)/PoE (802.3af)/ePoE					
Power Consumption	Basic power consumption: 1.9W (12V DC); 2.2W (PoE) Max. power consumption (max. stream): 6W (12V DC); 6.9W (PoE)					
Environment						
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/Less than 95% RH					
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)					
Protection Grade	IP67					

Structure

Casing	Inner core: Metal Cover: Metal Decoration ring: Plastic Decoration ring
Dimensions	Φ122.0 mm × 108.3 mm (Φ4.8" × 4.3")
Net Weight	740 g (1.6 lb)
Gross Weight	910 g (2.0 lb)

Ordering Information						
Туре	Model	Description				
	DH-IPC- HDW5241TP-ZE	2MP IR Vari-focal Eyeball WizMind Network Camera, PAL				
2140.6	DH-IPC- HDW5241TN-ZE	2MP IR Vari-focal Eyeball WizMind Network Camera, NTSC				
2MP Camera	IPC-HDW5241TP-ZE	2MP IR Vari-focal Eyeball WizMind Network Camera, PAL				
	IPC-HDW5241TN-ZE	2MP IR Vari-focal Eyeball WizMind Network Camera, NTSC				
	PFA130-E	Junction Box				
	PFB203W	Wall Mount				
	PFA106	Mount Adapter				
	PFB220C	Ceiling Mount				
Accessories (Optional)	PFA152-E	Pole Mount				
	PFM321D	DC12V1A Power Adapter				
	LR1002	ePoE Over Coax Converter				
	PFM900-E	Integrated Mount Tester				
	PFM114	TLC SD Card				

Accessories

Optional:







PFB203W Wall Mount



PFA106 Mount Adapter



PFB220C Ceiling Mount



PFA152-E Pole Mount



PFM321D DC12V1A Power Adapter



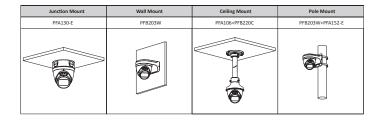
LR1002 ePoE Over Coax Converter



PFM900-E Integrated Mount tester



PFM114 TLC SD card



Dimensions (mm[inch])

