

DH-IPC-HDW3249TM-AS-LED

2MP Full-color Warm LED Fixed-focal Eyeball WizSense Network Camera





Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent Al chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, Dahua WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. In addition, with full-color technology, it provides a better image effect in the condition of low illuminance.

Functions

Full-color

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

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080)@30 fps
- H.265 codec, high compression rate, low bit rate
- · Built-in Warm LED. max. LEDs distance: 30 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power support
- IP67 protection
- · SMD Plus













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) are largely reduced.

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% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



CBR; VBR

Bit Rate Control

Technical Sp	ecificatio	on				Video Bit Rate	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps
Camera						Day/Night	Color/B/W
Image Sensor		1/2.8"2Megapixel progressive CMOS				BLC	Yes
Max. Resolution		1920 (H) × 1080 (V)			WDR	120 dB	
ROM		128 MB				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
RAM		512 MB				Gain Control	Auto/Manual
Scanning System		Progressive				Noise Reduction	3D DNR
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100, 000 s				Motion Detection	OFF/ON (4 areas, rectangular)
Min. Illuminatio	n	0.0015 Lux@F1.0			Region of Interest (RoI)	Yes (4 areas)	
S/N Ratio		> 56 dB				Smart Illumination	Yes
Illumination Dis	tance	30 m (98.4 ft) (Warm light)				Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
Illuminator On/	Off Control	Auto/Manual				Mirror	resolution and lower.) Yes
Illuminator Num	nber	2 (warm LED)					
Pan/Tilt/Rotation Range		Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360°			Privacy Masking	4 areas	
Lens					Audio		
Lens Type		Fixed-focal			Built-in MIC	Yes	
Mount Type		M12				Audio Compression	G.711a; G.711Mu; G726
Focal Length		2.8 mm; 3.6 mm			Alarm		
Max. Aperture		F1.0					No SD card; SD card full; SD card error; less service time
Field of View		2.8 mm: Horizontal 107° × vertical 55° × diagonal 127° 3.6 mm: Horizontal 84° × vertical 45° × diagonal 99°				Alarm Event	of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection; video tampering; scene changing;intensity change; tripwire; intrusion; SMD
Iris Type		2.8 mm: 0.8 m (2.6 ft)				N	
Close Focus Dist	ance	3.6 mm: 1.7 r				Network	
	Lens	Detect	Observe	Recognize	Identify	Network	RJ-45 (10/100 Base-T)
DORI Distance	2.8mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)	SDK and API	Yes
	3.6mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
Professional	, Intellige	ent					Video encryption; firmware encryption; configuration
Perimeter Prote	ection	Tripwire, intrusion (Recognition of vehicle and people)				Cyber Security	encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509
Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				5,20. 5000,	certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Video		videos				Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Milestone; Genetec
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG(only supported by the sub stream)				Scene self-adaptation (SSA)	Yes
Smart Codec		Smart H.265+/ Smart H.264+				User/Host	20 (Total bandwidth: 64M.)
Video France S. :		Main stream (1920 × 1080 @ 1–25/30 fps) sub stream (704 × 576 @ 1–25/704 × 480 @ 1-30 fps) third stream (1280 × 720 @ 1–25/30 fps)			Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS	
Video Frame Rate					Browser	IE: IE8; IE9; IE11 Chrome	
Stream Capability		3 streams				Firefox	
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF			Management Software	Smart PSS; DSS; DMSS	
		(352 × 288/352 × 240)				Mobile Phone	IOS; Android

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

Certifications

Power Supply	12V DC/PoE
Power Consumption	< 8.1W

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/ less than 95%		
Storage Conditions	-40°C to +60°C (-40°F to +140°F)		
Protection Grade	IP67		

Structure

Casing	Inner core: Metal		
Cover: Metal	-40°C to +60°C (-40°F to +140°F)/ less than 95%		
Decoration ring: Plastic	-40°C to +60°C (-40°F to +140°F)/ less than 95%		
Dimensions	99.1 mm × Φ121.9 mm (3.9" × Φ4.8")		
Net Weight	480 g (1.05 lb)		
Gross Weight	660 g (1.45 lb)		

Ordering Information				
Туре	Part Number	Description		
2MP	DH-IPC-HDW3249TMP-AS- LED	2MP Full-color Warm LED Fixed-focal Eyeball WizSense Network Camera, PAL		
Camera	DH-IPC-HDW3249TMN- AS-LED	2MP Full-color Warm LED Fixed-focal Eyeball WizSense Network Camera, NTSC		
	PFA130-E	Junction Box		
	PFB203W	Wall mount		
	PFA152-E	Pole mount		
Accessories	PFM321D	DC12V1A 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

PFB203W x Wall Mount

W PFA152-E unt Pole Mount







PFM321D DC12V1A Power Adapter

LR1002-1ET/1EC Single-port long reach ethernet over coax extender

PFM900-E Integrated Mount tester



PFM114 TLC SD card

Junction Mount	Wall Mount	Pole Mount
PFA130-E	PFB203W	PFB152-E+PFA203W

Dimensions (mm[inch])

