

# DH-IPC-HDW3449TM-AS-NI

4MP Full-color 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.

- 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520) @ 30 fps
- H.265 codec, high compression rate, low bit rate
- 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 supply
- 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, fast moving, parking detection, loitering detection and gathering detection) 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. With UL CAP Certification, TÜV Rheinland Protected Privacy IoT Product Certification, and ETSI EN 303645 Certification, Dahua network camera better meets the demands of cyber security and privacy protection.

#### 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  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



BLC

Yes

Technical Specification							WDR	120 dB
Camera							White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Image Sensor		1/2.7"4Megapixel progressive CMOS					Gain Control	Auto/Manual
Max. Resolution		2688 (H) × 1520 (V)					Noise Reduction	3D DNR
ROM		128 MB					Motion Detection	OFF/ON (4 areas, rectangular)
RAM		512 MB					Region of Interest (RoI)	Yes (4 areas)
Scanning System		Progressive					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100, 000 s					Mirror	Yes
Min. Illumination		0.003 Lux @ F1.0					Privacy Masking	4 areas
S/N Ratio		> 56 dB					Audio	1 01000
Pan/Tilt/Rotation Range		Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360°					Audio Compression	G.711a; G.711Mu; G726
Lens							Alarm	0.711d, 0.711Md, 0720
Lens Type		Fixed-focal					Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection; video tampering; scene
Mount Type  Focal Length		M12 2.8 mm; 3.6 mm						
Max. Aperture		F1.0						changing; intensity change; tripwire; intrusion; SMD
Field of View		2.8 mm: Horizontal 103° × vertical 53° × diagonal 122° 3.6 mm: Horizontal 80° × vertical 43° × diagonal 95°					Network	DI 45 (40/100 D. T)
Iris Type		Fixed					Network	RJ-45 (10/100 Base-T)
Close Focus Distance		2.8 mm: 1.2 m (3.9 ft) 3.6 mm: 2.4 m (7.9 ft)					SDK and API	Yes
	Lens	Detect	Observe	Recognize	Identify		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
DORI Distance	2.8mm 3.6mm	56.0 m (183.7 ft) 80.0 m (262.5 ft)	22.4 m (73.5 ft) 32.0 m (105.0 ft)	11.2 m (36.7 ft) 16.0 m (52.5 ft)	5.6 m (18.4 ft) 8.0 m (26.3 ft)		Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs, IP/MAC filtering; generation and importing of X.509 certification; sysleg; HTTPS; 802.1x; trusted boot; trusted
Professional, Intelligent				latara na na hilitu	execution; trusted upgrade  ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Milestone;			
Perimeter Prote	Perimeter Protection		Tripwire, intrusion (Recognition of vehicle and people)				Interoperability	Genetec
Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos					Scene self-adaptation	Yes
Video		videos					User/Host	20 (Total bandwidth: 64M.)
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)					Edge Storage Browser	FTP; SFTP; Micro SD Card (support max. 256 G); NAS  IE: IE8; IE9; IE11 Chrome
Smart Codec		Smart H.265+/ Smart H.264+					Managament Cafturara	Firefox
Video Frame Rate		Main stream (2688 × 1520@ 1–25/30 fps) sub stream (704 × 576@ 1–25/704 × 480 @ 1-30 fps)					Management Software  Mobile Phone	Smart PSS; DSS; DMSS IOS; Android
Sharana Garalana		third stream (1280 × 720@ 1–25/30 fps)					Certification	
Stream Capability  Resolution		3 streams  4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					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
Bit Rate Control		CBR; VBR					Power	
Video Bit Rate		H.264: 3 kbps-8192 kbps					Power Supply	12V DC/PoE
Day/Night		H.265: 3 kbps–8192 kbps Color/B/W					Power Consumption	< 4.5W
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Environment

## Wiz Sense | DH-IPC-HDW3449TM-AS-NI

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 Decoration ring: Plastic				
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					
4MP	DH-IPC-HDW3449TMP-AS-NI	4MP Full-color Fixed-focal Eyeball WizSense Network Camera, PAL					
Camera	DH-IPC-HDW3449TMN-AS-NI	4MP Full-color 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



PFM321D DC12V1A Power Adapter



PFB203W Wall Mount



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



PFA152-E Pole Mount



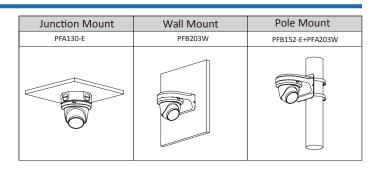
PFM900-E Integrated Mount tester



PFM114 TLC SD card

Rev 001.001





## Dimensions (mm[inch])

