

DH-IPC-HDW1439T-A-LED-S4

4MP Entry Full-color Fixed-focal Eyeball Netwok Camera



System Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

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.

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.

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection technology triggers alarm or records.

- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, and the max. illumination distance is 30 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Illumination overexposure remover (face priority), rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.
- · Built in MIC
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.













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 work normally after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification							Day/Night	Color/B/W
Camera							BLC	Yes
Image Sensor		1/3" CMOS					HLC	Yes
Max. Resolution		2560 (H) × 1440 (V)					WDR	120 dB
ROM		16 MB					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
RAM		128 MB					Gain Control	Auto;Manual
Scanning System		Progressive						*
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					Noise Reduction	3D NR
Min. Illumination		0.004 lux@F1.0					Motion Detection	OFF/ON (4 areas, rectangular)
S/N Ratio		>56 dB					Region of Interest (RoI)	Yes (4 areas)
Illumination	Illumination Distance		30 m (98.43 ft) (warm light)				Smart Illumination	Yes 0° /00° /100° /270° /5 upport 00° /270° with 2500 v 1440
Illuminator C	On/Off Control	Auto; Manual					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2560 × 1440 resolution and lower)
Illuminator Number		1 (warm light)					Mirror	Yes
Dan/Tilt/Pot	ation Pango	Pan: 0°-360° Tilt: 0°-78°					Privacy Masking	4 areas
Pan/Tilt/Rotation Range		Rotation: 0°–360°					Audio	
Lens							Built-in MIC	Yes
Lens Type		Fixed-focal					Audio Compression	G.711a; G.711Mu; G.726; PCM
Lens Mount	Lens Mount		M12				Alarm	
	Focal Length		2.8 mm; 3.6 mm				Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio exception; security exception
	Max. Aperture		F1.0 2.8 mm: H: 97°; V: 54°; D: 115°;				Network	схесрион
Field of View	I	3.6 mm: H: 80°; V: 45°; D: 94°					Network Port	RJ-45 (10/100 Base-T)
Iris Control	Iris Control		Fixed				SDK and API	Yes
Close Focus Distance		2.8 mm: 1.5 m (4.92 ft) 3.6 mm: 2.2 m (7.22 ft)					Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP;
	Lens	Detect	Observe	Recognize	Identify			FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
DORI Distance	2.8 mm	66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)		Interoperability	ONVIF (Profile S/Profile T); CGI; P2P
Distance	3.6 mm	78.0 m	31.2 m	15.6 m	7.8 m	m	User/Host	6 (Total bandwidth: 36 M)
Vi de e		(255.91 ft)	(102.36 ft)	(51.18 ft)	(25.59 ft)		Storage	FTP
	Video Video Compression		; H.264B; MJPE	G (Only suppo	rted by the		Browser	IE Chrome Firefox
Smart Codeo	·		-; Smart H.264	+			Management Software	DSS; DMSS
Sillar Couec		Main stream: 2560 × 1440@(1–25/30 fps)					Mobile Client	iOS; Android
Video Frame Rate		sub stream: $704 \times 576@(1-25 \text{ fps})/704 \times 480@(1-30 \text{ fps})$ *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.					Cyber Security	Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; Generation and importing of X.509 certification
Stream Capability		2 streams					Certification	
Resolution		4M (2560 × 1440); 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
Bit Rate Control		CBR/VBR					Power	
Video Bit Rate		H.264: 32 kbps–6144 kbps; H.265: 12 kbps–6144 kbps					Power Supply	12 VDC/PoE (802.3af)

Entry Series | DH-IPC-HDW1439T-A-LED-S4

Power Consumption	Basic: 2 W (12 VDC); 3.1 W (PoE) Max. (WDR+H.265+ max. Illumination): 4 W (12 VDC); 5.4 W (PoE)	
Environment		
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Operating Humidity	≤95%	
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Protection	IP67	
Structure		
Casing Material	Metal	
Product Dimensions	85.6 mm × Φ94.0 mm (3.37"× Φ3.70")	
Net Weight	0.33 kg (0.73 lb)	
Gross Weight	0.46 kg (1.01 lb)	

Ordering Information						
Туре	Model	Description				
4MP Camera	DH-IPC-HDW1439T-A-LED-S4	4MP Entry Full-color Fixed-focal Eyeball Netwok Camera				
	PFA13A-E	Junction Box				
	PFB205W-E	Wall Mount Bracket				
	PFA152-E	Pole Mount Bracket				
Accessories (Optional)	PFA106	Mount Adapter				
	PFB220C	Junction Box				
	PFM321D	12 VDC 1 A Power Adapter				
	PFM900-E	Integrated Mount Tester				

Accessories

Optional:







PFA13A-E Junction Box

PFB205W-E Wall Mount Bracket

PFA152-E Pole Mount Bracket



PFA106 Mount Adapter



PFB220C Junction Box



PFM321D 12 VDC 1A Power Adapter



PFM900-E Integrated Mount Tester

Junction Mount	Ceiling Mount	Wall Mount
Pole Mount (Vertical)		

Dimensions (mm[inch])



