

DH-IPC-HDW1230T1-A-S4

2 MP Entry IR Fixed-focal Eyeball Network Camera



Series 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.

Smart Illumination

Dahua Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts Illuminations intensity automatically to display the details of the moving target.

Motion Detection

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

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.

- 2-MP 1/2.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 30 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, audio detection and illegal access.
- · Built-in MIC.
- 12 VDC/PoE power supply.
- IP67 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 work normally 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							Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Camera							Day/Night	Auto (ICR)/Color/B/W
Image Sensor		1/2.8" CMOS					BLC	Yes
Max. Resolution		1920 (H) × 1080 (V)					HLC	Yes
ROM		16 MB					WDR	DWDR
RAM		64 MB					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Scanning System		Progressive					Gain Control	Auto; manual
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					Noise Reduction	3D NR
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)					Motion Detection	OFF/ON (4 areas, rectangular)
S/N Ratio	S/N Ratio		> 56 dB				Region of Interest (RoI)	Yes (4 areas)
Illumination Distance		30 m (98.43 ft) (IR)					Smart Illumination	Yes
Illuminator On/Off Control		Auto; manual					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
Illuminator Number		1 (IR LED)					Mirror	Yes
Pan/Tilt/Rotation Range		Pan: 0°–355° Tilt: 0°–78°					Privacy Masking	4 areas
Lens		Rotation: 0°–355°					Audio	
		Fixed-focal					Built-in MIC	Yes
Lens Type							Audio Compression	G.711A; G.711Mu; G.726
Lens Mount		M12					Alarm	
Focal Length Max. Aperture		2.8 mm; 3.6 mm 2.8 mm: F2.0 3.6 mm: F2.0					Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception
Field of View		2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120° 3.6 mm: Horizontal: 88°; Vertical: 47°; Diagonal: 104°					Network	
Iris Control		Fixed					Network Port	RJ-45 (10/100 Base-T)
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft)					SDK and API	Yes
	Lens	3.6 mm: 0.8 m Detect 38.6 m	Observe 15.4 m	Recognize	Identify 3.9 m		Cyber Security	Configuration encryption;Trusted execution;Digest;Security logs;Trusted upgrade;WSSE;Trusted boot;Account lockout;Generation and importing of X.509 certification;Video encryption
DORI Distance	2.8 mm	(126.64 ft) 49.7 m	(50.52 ft)	(25.26 ft) 9.9 m	(12.80 ft)		Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
	3.6 mm	(163.06 ft)	(65.29 ft)	(32.48 ft)	(16.40 ft)	1	Interoperability	ONVIF (Profile S); CGI; P2P; Genetec
Video							User/Host	6 (Total bandwidth: 36 M)
Video Compress	Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)				Storage	FTP
Smart Codec		Smart H.265+; Smart H.264+					Browser	IE Chrome
		Main stream: 1920 × 1080@1–25/30 fps					Management Software	Firefox Smart PSS; DSS; DMSS
Video Frame Rate		Sub stream: 704 × 576@1–25 fps 704 × 480@1–30 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.					Mobile Client	iOS; Android
							Certification	
Stream Capability		2 streams					Certifications	CE-LVD: EN 62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF					Power	FCC: 47 CFR FCC Part 15, Subpart B
Bit Rate Control		(352 × 288/352 × 240) CBR/VBR						12 VDC /DoE (902 2-5)
DIL KALE CONTLOI		55.y - 511					Power Supply	12 VDC/PoE (802.3af)

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Power Consumption	Basic: 1.2 W (12 VDC); 2 W (PoE) Max. (ICR + H.265 + IR intensity): 3.1 W (12 VDC); 4.1 W (PoE)
Environment	

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	Metal + Plastic			
Product Dimensions	85.5 mm × Φ109 mm (3.4" × Φ4.3")			
Net Weight	0.24 kg (0.5 lb)			
Gross Weight	0.37 kg (0.8 lb)			

Ordering Information Model Description Type DH-IPC-2 MP Entry IR Fixed-focal Eyeball Network IP CAMERA HDW1230T1-A-S4 Camera PFA136 Junction Box PFB203W Wall Mount Bracket PFA152-E Pole Mount Bracket Accessories PFA106 Mount Adapter (optional) PFB220C Ceiling Mount Bracket PFM321D 12 VDC 1A Power Adapter PFM900-E Integrated Mount Tester

Accessories

Optional:



PFA136 Junction Box



PFB203W Wall Mount Bracket



PFA152-E Pole Mount Bracket



PFA106 Mount Adapter



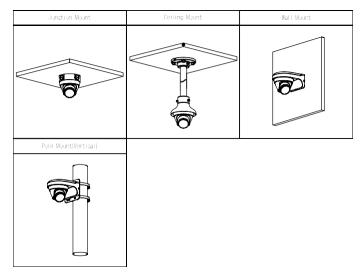
PFB220C Ceiling Mount Bracket



PFM321D 12 VDC 1A Power Adapter



PFM900-E Integrated Mount



Dimensions (mm[inch])

