

DH-IPC-HDW1230S-S5

2MP Entry IR Fixed-Focal Eyeball Netwok Camera



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- · H.265 codec, high compression rate, ultra-low bit rate
- $\,\cdot\,$ Built-in efficient IR illuminator, 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, illegal access
- 12V DC/PoE power supply
- IP67 protection











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.

Motion Detection

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

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.

Image Flip

For narrow and long scenes, Dahua image flip technology flips the image by 90°/180°/270° to realize better surveillance in rotation mode.

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 ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

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Technical Specification							Day/Night	Auto (ICR)/Color/B/W
Camera							BLC	Yes
Image Sensor		1/2.8" CMOS					HLC	Yes
Max. Resolution		1920 (H) × 1080 (V)					WDR	DWDR
ROM		16 MB					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
RAM		64 MB					Gain Control	Auto/Manual
Scanning System		Progressive					Noise Reduction	3D NR
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Motion Detection	OFF/ON (4 areas, rectangular)
Min. Illumination		0.01 Lux @F2.0					Region of Interest (RoI)	Yes (4 areas)
S/N Ratio		>56 dB						
Illumination Dist	Illumination Distance		30 m (98.4 ft)				Smart Illumination	Yes
Illuminator On/Off Control		Auto/Manual					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
Illuminator Num	ber	12 (IR LED)					Mirror	Yes
Pan/Tilt/Rotatio	n Range	Pan: 0° to 355 Tilt: 0° to 78°					Privacy Masking	4 areas
Lens		Rotation: 0° to 360°					Alarm	
Lens Type		Fixed-focal					Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; safety exception
Lens Mount		M12					Network	
Focal Length		2.8 mm; 3.6 mm					Network	RJ-45 (10/100 Base-T)
Max. Aperture		2.8 mm: F2.0 3.6 mm: F2.0					SDK and API	Yes
Field of View		2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120° 3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100°					Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted
Iris Control		Fixed	(4.66)					execution; trusted upgrade
Close Focus Distance		2.8 mm: 0.5 m (1.6 ft) 3.6 mm: 0.8 m (2.6 ft)					Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast
	Lens	Detect 38.6 m	Observe 15.4 m	Recognize 7.7 m	Identify 3.9 m		Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Genetec
DORI Distance	2.8 mm	(126.6 ft)	(50.5 ft)	(25.3 ft)	(12.8 ft)		User/Host	6 (Total bandwidth: 36 M)
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5.0 m (16.4 ft)		Storage	FTP
Video Compression		H.265; H.264; H.264B; MJPEG (only supported by the sub stream)					Browser	IE Chrome Firefox
Smart Codec		Smart H.265+/Smart H.264+					Management Software	Smart PSS; DSS; DMSS
			1 for 25/20 S	201			Mobile Client	IOS; Android
Video Frame Rate		1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)					Certification	
Stream Capability		2 streams					CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B	2014/30/EU
Resolution		1080p (1920 × 1080); 1.3M(1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Power	
Bit Rate Control		CBR/VBR					Power Supply	12V DC/PoE (802.3af)
Video Bit Rate		H.264: 32 kbps-6144 kbps H.265: 12 kbps-6400 kbps					Power Consumption	Basic power consumption:1.5W (12V DC); 3.3W (PoE) Max. power consumption (ICR + H.265+IR intensity): 2.3W (12V DC); 4.4W (PoE)

Entry Series | DH-IPC-HDW1230S-S5

Environment

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

Structure

Casing	Inner core: Metal Cover: Plastic Decoration ring: Plastic Pedestal: Plastic		
Product Dimensions	84.9 mm × Φ108 mm (3.3" × Φ4.3")		
Net Weight	0.26 kg (0.5 lb)		
Gross Weight	0.39 kg (0.8 lb)		

Ordering Information						
Туре	Part Number	Description				
2MP	DH-IPC-HDW1230SP-S5	2MP Entry IR Fixed Focal Eyeball Netwok Camera,PAL				
Camera	DH-IPC-HDW1230SN-S5	2MP Entry IR Fixed Focal Eyeball Netwok Camera,NTSC				
	PFA130-E	Junction Box				
	PFB203W	Wall Mount				
	PFA106	Mount Adapter				
Accessories	PFB220C	Ceiling Mount				
(optional)	PFA152-E	Pole Mount				
	PFM321D	DC12V1A Power Adapter				
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender				
	PFM900-E	Integrated Mount Tester				

Accessories

Optional:



PFA130-E Junction Box



PFB203W Wall Mount



PFA106 Mount Adapter



PFB220C

Ceiling Mount



PFA152-E Pole Mount



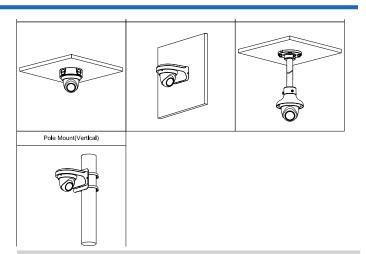
PFM321D DC12V1A Power Adapter



LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM900-E Integrated Mount Tester



Dimensions (mm[inch])

