

DH-IPC-HDW1530T-S6

5MP 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.

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.

- 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.
- H.265 codec, high compression rate, and 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, ap plicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.
- Built-in MIC.
- 12 V DC/PoE power supply.
- 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 comprising 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 $\pm 30\%$ (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					
Camera					
Image Sensor		1/2.7" CMOS			
Max. Resolution		2880 (H) × 1620 (V)			
ROM		16 MB			
RAM		128 MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s			
Min. Illumination		0.03 Lux@F2.0 (Color, 30 IRE) 0.003 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)			
S/N Ratio		> 56 dB			
Illumination Distance		30 m (98.43 ft) (IR)			
Illuminator On/Off Control		Auto/Manual			
Illuminator Number		1 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm; 3.6 mm			
Max. Aperture		2.8 mm: F2.0 3.6 mm: F2.0			
Field of View		2.8 mm: Horizontal: 106°; Vertical: 56°; Diagonal: 125° 3.6 mm: Horizontal: 92°; Vertical: 48°; Diagonal: 109°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.3 m (4.27 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	56.0 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
	3.6 mm	76.0 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87ft)	7.6 m (24.93 ft)
Video					

Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)		
Smart Codec	Smart H.265+; Smart H.264+		
Video Frame Rate	Main stream: 2880 × 1620 (1 fps-20 fps) 2688 × 1520 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-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.		
Stream Capability	2 streams		
Resolution	2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (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)		

Bit Rate Control	CBR/VBR		
Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps		
Day/Night	Auto (ICR)/Color/B/W		
BLC	Yes		
HLC	Yes		
WDR	DWDR		
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom		
Gain Control	Auto; manual		
Noise Reduction	3D NR		
Motion Detection	OFF/ON (4 areas, rectangular)		
Region of Interest (RoI)	Yes (4 areas)		
Smart Illumination	Yes		
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 \times 1520 resolution and lower)		
Mirror	Yes		
Privacy Masking	4 areas		
Audio			
Built-in MIC	Yes		
Audio Compression	G.711a; G.711Mu; G.726; PCM		
Alarm			
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception		
Network			
Network Port	RJ-45 (10/100 Base-T)		
SDK and API	Yes		
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade		
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast		
Network Protocol Interoperability			
	DHCP; DNS; DDNS; NTP; Multicast		
Interoperability	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone		
Interoperability User/Host	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone 6 (Total bandwidth: 48 M)		
Interoperability User/Host Storage	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone 6 (Total bandwidth: 48 M) FTP IE Chrome		
Interoperability User/Host Storage Browser	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone 6 (Total bandwidth: 48 M) FTP IE Chrome Firefox		
Interoperability User/Host Storage Browser Management Software	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone 6 (Total bandwidth: 48 M) FTP IE Chrome Firefox Smart PSS; DSS; DMSS		
Interoperability User/Host Storage Browser Management Software Mobile Client	DHCP; DNS; DDNS; NTP; Multicast ONVIF (Profile S/Profile T); CGI; P2P; Genetec; Milestone 6 (Total bandwidth: 48 M) FTP IE Chrome Firefox Smart PSS; DSS; DMSS		

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Power			
Power Supply	12V DC/PoE (802.3af)		
Power Consumption	Basic: 1.7 W (12V DC); 2.5W (PoE) Max. (ICR + H.265 + max. resolution + main stream + DWDR + IR intensity): 3.7 W (12V DC); 4.5 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	Metal		
Product Dimensions	85.6 mm × Φ94.0 mm (3.4" × Φ3.7")		
Net Weight	0.32 kg (0.71 lb)		
Gross Weight	0.43 kg (0.95 lb)		

Ordering Information

Туре	Model	Description	
5MP Camera	DH-IPC- HDW1530T-S6	5MP Entry IR Fixed-focal Eyeball Network Camera	
	PFA13A-E	Junction Box	
Accessories	PFA130-E	IP66 Junction Box	
(optional)	PFB204W	Wall Mount Bracket	
	PFA152-E	Pole Mount Bracket	

Accessories

Optional:



Junction Box



PFA130-E

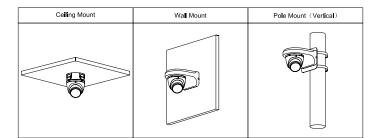
IP66 Junction Box



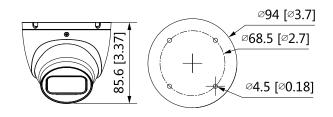
PFB204W Wall Mount Bracket



PFA152-E Pole Mount Bracket



Dimensions (mm[inch])



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