

DH-IPC-HDBW1430DE-SW

4MP IR Fixed-focal Wi-Fi Dome 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 technology triggers alarm or records.

Day/Night

Dahua Day/Night function provides color image when illumination is adequate; when illuminance is inadequate, it switches night mode and provides white and black image. It can guarantee that the network camera can work normally when illuminance changes.

Protection (IP67, IK10, 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.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). 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.

• 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.

- Outputs max. 4 MP (2560 × 1440)@20 fps, and max. supports 3 MP (2304 × 1296)@25/30 fps
- · H.265 codec, high compression rate, ultra-low bit rate.
- · Built-in IR LED.
- SMART H.264 +/H.265+, flexible coding, applicable to various band width and storage environments.
- DWDR, 3D NR, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, SMD (human).
- · Supports single antenna 2.4G Wi-Fi that covers a range of up to 80 m in an open area.
- · Supports max. 256 G Micro SD card.
- · 12 VDC power supply.
- · IP67, IK10 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.

Wi-Fi Series | DH-IPC-HDBW1430DE-SW

Technical Specification

Camera					
Image Sensor		1/3" CMOS			
Max. Resolution		2560 (H) × 1440 (V)			
ROM		16 MB			
RAM		64 MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s			
Min. Illumination		0.025 lux@F2.0 (Color,30 IRE) 0.0025 lux@F2.0 (B/W,30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>56 dB			
Illumination Distance		30 m (98.43 ft) (IR LED)			
Illuminator On/Off Control		Auto; Manual			
Illuminator Number		3 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0–355° Tilt: 0–75° Rotation: 0–355°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm; 3.6 mm			
Max. Aperture		F2.0			
Field of View		2.8 mm: Horizontal: 90°; Vertical: 50°; Diagonal: 107° 3.6 mm: Horizontal: 76°; Vertical: 40°; Diagonal: 92°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 1.0 m (3.28 ft) 3.6 mm: 1.4 m (4.59 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	68 m (223.10 ft)	27.2 m (89.24 ft)	13.6 m (44.62 ft)	6.8 m (22.31 ft)
	3.6 mm	85.2 m (279.53 ft)	34.1 m (111.88 ft)	17.0 m (55.78 ft)	8.5 m (27.89 ft)
Video					

Video Compression	H.264B; H.264; H.264H; H.265		
Smart Codec	Smart H.265+;Smart H.264+		
Video Frame Rate	Main stream: 2560 × 1440@ (1–20 fps) 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.		
Stream Capability	2 streams		
Resolution	2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M(1280 × 960); 720p (1280 × 720)		
Bit Rate Control	CBR/VBR		

Day/NightAuto (ICR)/Color/B/WBLCYesWDRDWDRWhite BalanceAuto: natural; street lamp: outdoor; manual; regional customGain ControlAutoMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesMaronVes (3 areas)Alarm EventOry / 180°Alarm EventNo SD card; SD card full; SD card error; network desconnection; Pi Conflict; illegal access; motion detection; video tampering; SMD (turner)Wi-FiRetS0.11b/g/n 2.4-2.4835 GHzWi-FiIEEES0.2.11b/g/n 2.4-2.4835 GHzWireless RangeUp to 80 om (The performance varies based on actual environment)SDK and APIYesVideo encrypton; configuration encrypton; Digest; Wise; scount lockuit, security logs; generation and imporing of X.509 cerd/scour; HTTP; trusted boot; trusted execution; trusted upgradeNetwork ProtocolPi/4, HTTP; TCP; UD; ARP; RTP; RTSP; RTCP; DHCP; DNS; NTP; Multicast; RTMPInteroperabilityONWIF (Profile S/Profile G); CG; P2PUser/Host6 (Total bandwidth: 36 M)StorageSmart PS; DSS; DMSSMobile ClientIO; AndroidCertificationCE-LVD: ENC3268-1; CE-EHC: Electromapetic Compatibility Directive 2014/3/S[U; CF:CE 7 CF CP art 15, Subpart B; CC 10: FCC 2 ART 15, Subpart B; CC 10:	Video Bit Rate	H264: 24 kbps–4096 kbps H265: 9 kbps–4096 kbps			
WDRDWDRWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAutoNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage Rotation0'/180'MirrorYesAlarmNo SD card; SD card full; SD card error; network disconnection; P conflict; illegal access; motion detection; video tampering; SMD (humar)NetworkNo SD card; SD card full; SD card error; network 	Day/Night	Auto (ICR)/Color/B/W			
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Mobile Client iOS; Android Certification CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C Power Power Supply Power Supply 12 VDC Basic: 2 W (12 VDC);	Browser	Chrome			
Certification Certifications Certifi	Management Software	Smart PSS; DSS; DMSS			
Certifications CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C Power Power Supply Power Supply 12 VDC Basic: 2 W (12 VDC);	Mobile Client	iOS; Android			
Certifications CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC PART 15C Power Power Supply Power Supply 12 VDC Basic: 2 W (12 VDC);	Certification				
Power Supply 12 VDC Basic: 2 W (12 VDC);	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15, Subpart B;			
Basic: 2 W (12 VDC);	Power				
	Power Supply	12 VDC			
	Power Consumption				

Wi-Fi Series | DH-IPC-HDBW1430DE-SW

Environment

Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)		
Operating Humidity	≤95%		
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)		
Protection	IP67; IK10		
Structure			
Casing	Metal		
Product Dimensions	Φ110.7 mm × 88.7 mm (Φ4.33" × 3.49")		
Net Weight	414 g (0.91 lb)		
Gross Weight	592 g (1.31 lb)		

Ordering Information

Туре	Model	Description	
4MP Camera	DH-IPC- HDBW1430DEP-SW- 0280B	4MP IR Fixed-focal Wi-Fi Dome Network Camera	
	DH-IPC- HDBW1430DEP-SW- 0360B	4MP IR Fixed-focal Wi-Fi Dome Network Camera	
	DH-IPC- HDBW1430DEN- SW-0280B	4MP IR Fixed-focal Wi-Fi Dome Network Camera	
	DH-IPC- HDBW1430DEN- SW-0360B	4MP IR Fixed-focal Wi-Fi Dome Network Camera	
Accessories	NBS05C120050VE	12V DC/0.5A Power Adapter	
	PFA136	Junction Mount	
	PFB203W	Wall Mount	
	PFA109+PFB220C	Ceiling Mount	
	PFB203W+PFA152-E	Pole Mount	

Accessories Included: NBS05C120050VE 12V DC/0.5A Power Adapter Optional:

PFA136 Junction Mount

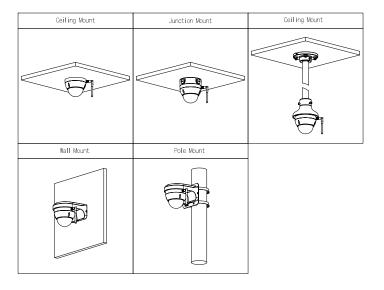
PFB203W Wall Mount



PFA109+PFB220C Ceiling Mount

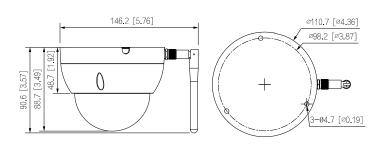


PFB203W+PFA152-E Pole Mount



Dimensions (mm[inch])





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