

DH-IPC-HFW1230DS-SAW

2MP IR Fixed-focal Wi-Fi Bullet 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, 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.

- \cdot 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.
- · SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- · DWDR, 3D NR, BLC, digital watermarking, applicable to various monitoring scenes.
- · Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, SMD (human).
- · Supports antenna 2.4G Wi-Fi, up to 80m range in open area.
- · Supports max. 256 G Micro SD card.Built-in MIC .
- · 12 VDC power supply (Not Included).
- · 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.

Technical Specification Camera Video Bit Rate Video Piculario Video Bit Rate Video Bit Ra	manual;	
Image Sensor	manual;	
Max. Resolution 1920 (H) × 1080 (V) BLC Yes	manual;	
ROM	manual;	
More	manual;	
Scanning System Progressive Progressive Gain Control Auto 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 (Color, 30 IRE) 0.0025 lux@F2.0 (Golor, 30	manual;	
Electronic Shutter Speed Auto/Manual 1/3 s-1/100,000 s		
Min. Illumination O.025 lux@F2.0 (Color, 30 IRE)		
Motion Detection OFF/ON (4 areas, rectangular) S/N Ratio >56 dB		
Illumination Distance 30 m (98.43 ft) (IR LED) Smart Illumination Yes		
Illuminator On/Off Control Auto; manual Ilmage Rotation O7/180° Mirror Yes Audio Pan/Tilt/Rotation Range Pan: 0°-360° Tilt: 0°-90° Rotation: 0°-360° Tilt: 0°-90° Rotation: 0°-360° Tilt: 0'-90°		
Illuminator Number 1 (IR LED) Pan: 0"-360" Tilt: 0"-90" Rotation: 0"-360" Built-in MIC Yes Alarm Alarm No SD card; SD card full; SD card error disconnection; IP conflict; illegal acc detection; video tampering, audio de intensity change; SMD (human) Focal Length Alarm Event Network Network Max. Aperture F2.0 Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE802.11b/g/n 2.4-2.4835 GHz Wi-Fi Wireless Range Up to 80 m (The performance varies actual environment) Iris Control Fixed Close Focus Distance Detect Observe Recognize Identify Mirror Yes Cyber Security Video encryption; Configuration enc. WSSE; Account lockout; Security log and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot; Trusted execution; Trusted upgrave and importing of X.509 certification; boot intensity o		
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DORI 2.8 mm 46.9 m (153.87 ft) 18.8 m (61.68 ft) 9.4 m (30.84 ft) 4.7 m (15.42 ft) Network Protocol IPv4; HTTP; TCP; UDP; ARP; RTP; RTS DNS; NTP; Multicast; RTMP); RTCP; DHCP;	
3.6 mm 58.8 m 23.5 m 11.8 m 5.9 m Interoperability ONVIF (Profile S/Profile G); CGI; P2P (19.36 ft)		
Video User/Host 6 (Total bandwidth: 36 M)		
Video CompressionH.264B; H.264; H.264H; H.265StorageMicro SD card (support max. 256 GB separately)	sold	
Smart Codec Smart H.265+; Smart H.264+ Browser IE Chrome Firefox		
Main stream: 1920 x 1080 (1–25/30 fps) Management Software Smart PSS; DSS; DMSS		
Sub stream: Video Frame Rate 640 × 480@(1–25 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. CE-LVD: EN62368-1;		
Stream Capability 2 streams Certifications CE-EMC: Electromagnetic Compatibility 2014/30/EU; CE-RED: Radio Equipment Directive 2014/30/EU;		
Resolution 1080p (1920 × 1080); 960p (1280 × 960); 720p (1280 × 720p) FCC: 47 CFR FCC Part 15, Subpart B; FCC ID: FCC ID: FCC PART 15C		

Wi-Fi Series | DH-IPC-HFW1230DS-SAW

Power

Power Supply	12 VDC
Power Consumption	Basic: 2 W (12 VDC) Max (H 265+IR intensity): 4 1 W (12 VDC)

Environment

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	−30 °C to +70 °C (−22 °F to +158 °F)
Protection	IP67

Structure

Casing	Metal
Product Dimensions	166.2 mm × 70.0 mm × 128.6 mm (6.53" × 2.76" × 5.06")
Net Weight	477.9 g (1.05 lb)
Gross Weight	696.5 g (1.50 lb)

Ordering Information Type Model Description DH-IPC-2MP IR Fixed-focal Wi-Fi Bullet Network HFW1230DSP-SAW-Camera 0280B DH-IPC-2MP IR Fixed-focal Wi-Fi Bullet Network HFW1230DSP-SAW-0360B 2MP Camera DH-IPC-2MP IR Fixed-focal Wi-Fi Bullet Network HFW1230DSN-SAW-Camera 0280B DH-IPC-2MP IR Fixed-focal Wi-Fi Bullet Network HFW1230DSN-SAW-Camera 0360B NBS05C120050VE 12V DC/0.5A Power Adapter PFA134 Junction Box Accessories PFA152-E Pole Mount PFM900-E Integrated Mount Tester TF-P100 MicroSD Memory Card

Accessories

Optional:







PFA134 Junction Box

PFA152-E Pole Mount

PFM900-E Integrated Mount Tester



TF-P100

MicroSD

Memory Card



N

NBS05C120050VE 12V DC/0.5A Power Adapter

Ceiling Mount	Junction Mount	Pole Mount(Vertical)

Dimensions (mm[inch])



