

# DH-IPC-HFW1330S-S5

## 3MP Entry IR Fixed Focal 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 (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.

- 3MP, 1/2.7" CMOS image sensor, low illuminance, high definition image
- Outputs max. 3MP (2304 × 1296)@20 fps, 2MP (1920 × 1080)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, and the max. IR 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: Network disconnection, IP conflict, motion detection, video tampering, illegal access, security exception
- 12V DC/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 normal after soaking in 1 m deep water for 30 minutes.

**Wide voltage:** The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

**Technical Specification**

**Camera**

Image Sensor	1/2.7" CMOS
Max. Resolution	2304 (H) × 1296 (V)
ROM	16 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.02 Lux@F2.0
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.4ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	18 (IR LED)
Pan/Tilt/Rotation Range	Horizontal: 0°–360° Vertical: 0°–90° Rotation: 0°–360°

**Lens**

Lens Type	Fixed				
Lens Mount	M12				
Focal Length	2.8 mm 3.6 mm				
Max. Aperture	F2.0				
Field of View	2.8 mm: Horizontal: 105° Vertical: 57° Diagonal: 125° 3.6 mm: Horizontal: 88° Vertical: 47° Diagonal: 105°				
Iris Control	Fixed				
Close Focus Distance	2.8 mm: 0.6 m (2.0 ft) 3.6 mm: 0.9 m (3.0 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	44.8 m (147.0 ft)	17.9 m (58.7 ft)	9.0 m (29.5 ft)	4.48 m (14.8 ft)
	3.6 mm	57.6 m (189.0 ft)	23.0 m (75.5 ft)	11.5 m (37.7 ft)	5.8 m (19.0 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: 2304 × 1296 (1 fps–20 fps) 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
Stream Capability	2 streams
Resolution	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	PAL: H.264: 32 kbps–6144 kbps H.265: 12 kbps–7168 kbps NTSC: H.264: 32 kbps–6144 kbps H.265: 12 kbps–7424 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 2304 × 1296 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas

**Alarm**

Alarm Event	Network disconnection; IP conflict; motion detection; video tampering; security exception
-------------	---

**Network**

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSSE; 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; NTP; Multicast
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Genetec; milestone
User/Host	6
Storage	FTP
Browser	IE: IE11 and earlier Chrome: Chrome 8+ and earlier Firefox: Firefox 80.0 (64 bit)
Management Software	Smart PSS; DSS; DMSS
Mobile Client	iOS; Android

**Certifications**

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
----------------	---

**Power**

Power Supply	12V DC/PoE (802.3af)
--------------	----------------------

Power Consumption	Basic power consumption: 1.8W (12V DC); 2.6W (PoE) Max. power consumption (H.265 + IR LED + WDR): 4.5W (12V DC); 5.6W (PoE)
<b>Environment</b>	
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
<b>Structure</b>	
Casing	Metal
Product Dimensions	164.6 mm × Φ70 mm (6.5" × Φ2.8")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.50 kg (0.1 lb)

Ordering Information		
Type	Part Number	Description
3MP Camera	DH-IPC-HFW1330SP-S5	3MP Entry IR Fixed Focal Bullet Network Camera,PAL
	DH-IPC-HFW1330SN-S5	3MP Entry IR Fixed Focal Bullet Network Camera,NTSC
Accessories	PFA134	Junction Box
	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:**



PFA134  
Junction Box



PFA152-E  
Pole Mount



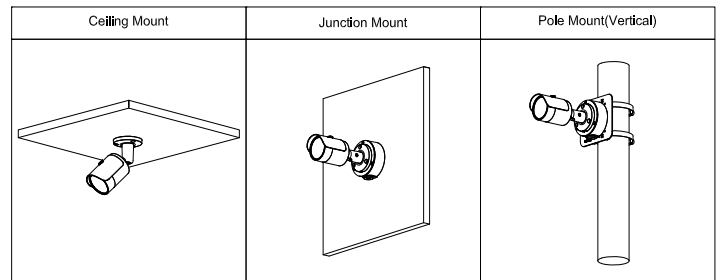
PFM321D  
12V DC 1A Power Adapter



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



PFM900-E  
Integrated Mount Tester



**Dimensions (mm[inch])**

