

# DH-IPC-HFW1330S1-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 band width 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		1 (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; 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; 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): 3.8W (12V DC); 4.8W (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 + plastic
Product Dimensions	162.6 mm × Φ70 mm (6.4" × Φ2.8")
Net Weight	0.22 kg (0.5 lb)
Gross Weight	0.34 kg (0.7 lb)

## Accessories

### Optional:



PFA134  
Junction Box



PFA152-E  
Pole Mount



PFM321D  
12V DC 1A Power Adapter



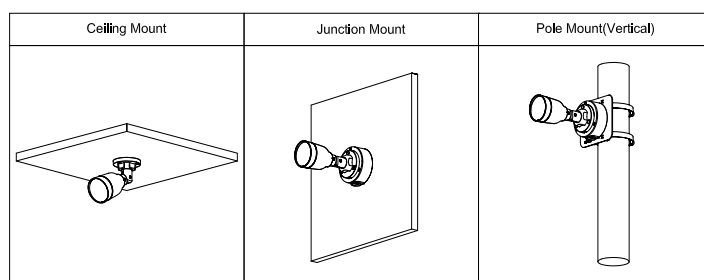
LR1002-1ET/1EC  
Single-port Long  
Reach Ethernet over  
CoaxExtender



PFM900-E  
Integrated Mount Tester

## Ordering Information

Type	Part Number	Description
3MP Camera	DH-IPC-HFW1330S1P-S5	3MP Entry IR Fixed Focal Bullet Network Camera,PAL
	DH-IPC-HFW1330S1N-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



## Dimensions (mm[inch])

