

# DH-IPC-HFW1339DT1-4G-ST-IL

## 3MP Entry Dual Illumination Fixed-focal 4G 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.

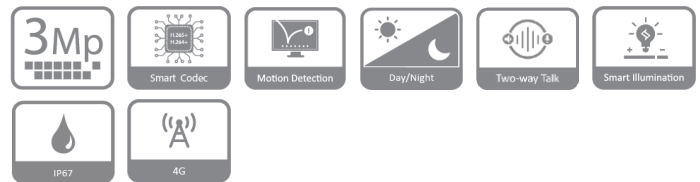
#### Day/Night

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.

#### Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.

- 3-MP 1/3.2" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 3 MP (2304 × 1296)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED and warm light, and the max. IR illumination distance is 30 m, the max. warm light distance is 20 m.
- DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Supports max. 256 G Micro SD card; built-in Mic; built-in speaker
- 12 VDC power supply, easy for installation.
- IP67 protection.
- Supports 4G.
- Motion detection.



#### 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.

#### 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.

#### 4G

With a built-in high-performance 4G mobile network module, the camera can be directly registered to cloud platforms after a 4G SIM card has been inserted into it. It can be installed anywhere without the hassle of network cables. Users can perform real-time monitoring and remote control of the camera from a mobile client through 4G network.

## Technical Specification

### Camera

Image Sensor	1/3.2" CMOS
Max. Resolution	2304 (H) × 1296 (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	Up to 30 m (98.43 ft) (IR LED); Up to 20 m (65.62 ft) (Warm Light);
Illuminator On/Off Control	Auto
Illuminator Number	1 (IR LED); 1 (Warm light)

### Lens

Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	2.8 mm; 3.6 mm				
Max. Aperture	F2.0				
Field of View	H: 100°; V: 55°; D: 117°; H: 82°; V: 44°; D: 95°				
Iris Control	Fixed				
Close Focus Distance	0.8 m (2.62 ft); 0.5 m (1.64 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	44.4 m (144.67 ft)	17.8 m (58.40 ft)	8.9 m (29.20 ft)	4.4 m (14.44 ft)
	3.6 mm	55.5 m (182.09 ft)	22.2 m (72.84 ft)	11.1 m (36.42 ft)	5.6 m (18.37 ft)

### Video

Video Compression	H.265; H.264H; H.264B; H.264
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 2304 × 1296@25 fps; sub stream: 640 × 480@30 fps
Stream Capability	2 streams
Resolution	3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); VGA (640 × 480)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 192 kbps–4096 kbps; H.265: 80 kbps–4096 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°/180°
Mirror	Yes
Privacy Masking	Yes

### Audio

Built-in MIC	Yes, built-in Mic
Built-in Speaker	Yes, built-in speaker
Audio Compression	G.711a; G.711Mu; PCM

### Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; security exception
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### Network

Network Port	RJ-45 (10/100 Base-T)
Carrier Network System	4G: LTE-FDD: B1/B3/B5/B8; LTE-TDD: B34/B38/B39/B40/B41; Applicable country: India;
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; DHCP; DNS; NTP; Multicast; ICMP; IGMP; NFS
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI
User/Host	20 (Total bandwidth: 48 M)
Storage	Micro SD card (support max. 256 GB)
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DSS; DMSS
Mobile Client	iOS; Android
Cyber Security	Configuration encryption; Trusted execution; Digest; Security logs; WSSE; Account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Firmware encryption; Generation and importing of X.509 certification

### Certification

Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU
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### Power

Power Supply	12 VDC
Power Consumption	Basic: 1.8 W (12 VDC); Max. (H.265+warm light on): 4.5 W (12 VDC)

## Environment

Operating Temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Operating Humidity	≤95%
Storage Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Humidity	≤95%
Protection	IP67

## Structure

Casing Material	Plastic
Product Dimensions	158.6 mm × 88.0 mm × 85.5 mm (6.24" × 3.46" × 3.37") (L × W × H)
Net Weight	297.5 g (0.66 lb)
Gross Weight	620 g (1.36 lb)

## Ordering Information

Type	Model	Description
3MP Camera	DH-IPC-HFW1339DT1-4G-ST-IL	3MP Entry Dual Illumination Fixed-focal 4G Bullet Network Camera
Accessories	PFB122W	Installation bracket component
	PFM320D	12 VDC 1 A Power Adapter
	PFM900-E	Integrated Mount Tester
	TF-P100	MicroSD Memory Card

## Accessories

### Included:



PFB122W  
Installation Bracket  
Component

### Optional:



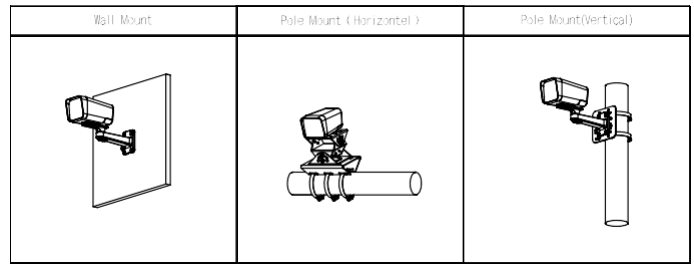
PFM320D  
12 VDC 1 A  
Power Adapter



PFM900-E  
Integrated  
Mount Tester



TF-P100  
Integrated  
Mount Tester



## Dimensions (mm[inch])

