

# DH-IPC-HFW1239S1-IL

## 2MP Entry Smart Dual Light 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 Dual Light

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

#### **Human Detection**

Dahua intelligent algorithms extract moving human targets from videos and filters out alarms that are triggered by non-human targets to increase the accuracy and effectiveness of alarms.

#### 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.

- \* The parameters and datasheets below can only be applied to 1239-S6 series
- 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 multi-core light, the max. IR distance is 30 m and the max. warm light distance is 30 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.
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access.
- 12 VDC/PoE power supply, easy for installation.
- · IP67 protection.
- · Supports human detection.











#### **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.

#### 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 normally after soaking in 1 m deep water for 30 minutes.

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.

by the sub stream)

Technical	Specificatio	n					Smart Codec	Smart H.265+; Smart H.264+
Camera								Main stream: 1920 × 1080@(1–25/30 fps)
Image Sensor		1/2.8" CMOS					Video Frame Rate	sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)
Max. Resolution		1920 (H) × 1080 (V)					video Frame Nate	*The values above are the max. frame rates of each stream; for multiple streams, the values will be
ROM		16 MB						subjected to the total encoding capacity.
RAM		64 MB					Stream Capability	2 streams
Scanning System		Progressive					Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s						(352 × 288/352 × 240)
Min. Illumination		0.005 lux@F1.6 (Color, 30 IRE); 0.0005 lux@F1.6 (B/W, 30 IRE); 0 lux (Illuminator on)					Bit Rate Control  Video Bit Rate	VBR;CBR  H.264: 32 kbps-4096 kbps;  H.265: 12 kbps-4096 kbps
S/N Ratio		> 56 dB					Day/Night	Auto(ICR)/Color/B/W
		Up to 30 m (98.43 ft) (IR)					BLC	Yes
Illumination Distance		Up to 30 m (98.43 ft) (Warm light)						
Illuminator On/Off Control		Auto;Manual					HLC WDR	Yes
Illuminator Number		1 (Multi-core (IR + warm) light)					WDR	DWDR
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90°					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
		Rotation: 0°–360°					Gain Control	Auto/Manual
Lens							Noise Reduction	3D NR
Lens Type		Fixed-focal					Motion Detection	OFF/ON (4 areas, rectangular)
Lens Mount		M12					Region of Interest (RoI)	Yes (4 areas)
Focal Length		2.8 mm; 3.6 mm					Smart Illumination	Yes
Max. Aperture		F1.6					Smart Dual Light	Yes
Field of View		2.8 mm: H: 103°; V: 55°; D: 123° 3.6 mm: H: 87°; V: 44°; D: 105°					Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with $1080p$ resolution and lower)
Iris Control		Fixed					Mirror	Yes
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.3 m (4.27 ft)					Privacy Masking	4 areas
	Lens	Detect	Observe	Recognize	Identify		Alarm	
	2.8 mm	44.1 m ( 144.69 ft)	17.7 m ( 58.07 ft)	8.8 m ( 28.87 ft)	4.4 m ( 14.44 ft)		Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; security exception SMD (human)
	3.6 mm	58.9 m	23.6 m	11.8 m	5.9 m		Network	
DORI Distance	*DOD! / D - +	( 193.24 ft)	(77.43 ft)	( 38.71 ft)	( 19.36 ft)		Network Port	RJ-45 (10/100 Base-T)
	,	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the					SDK and API	Yes
	video to distinguish persons or objects within a covered area.  The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.						Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Intelligence							Interoperability	ONVIF (Profile S & Profile T); CGI
_		Support the classification and accurate detection of					User/Host	6 (Total bandwidth: 24 M)
Human Detection		human					Storage	FTP
Smart Search		Work together with Smart NVR to perform refine					Browser	IE; Chrome; Firefox
		intelligent search, event extraction and merging to event videos					Management Software	Smart PSS Lite; DSS; DMSS; DoLynk Care
Video							Mobile Client	iOS;Android
Video Compr	ession	H.265; H.264; by the sub str	H.264H; H.264	IB; MJPEG (On	ly supported			

# Entry Series | DH-IPC-HFW1239S1-IL

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					
Certification						
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU					
Power						
Power Supply	12 VDC/PoE (802.3af)					
Power Consumption	Basic: 1.4 W (12 VDC), 2.2 W (PoE); Max.: 3.3 W (12 VDC), 4.4 W (PoE) (H.265 + intelligence on + warm light intensity)					
Environment						
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)					
Operating Humidity	≤95% (RH), non-condensing					
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)					
Storage Humidity	≤95% (RH), non-condensing					
Protection	IP67					

Metal + Plastic

0.22 kg (0.49 lb) 0.35 kg (0.77 lb)

 $W \times H)$ 

162.6 mm  $\times$  70 mm  $\times$  70 mm (6.4"  $\times$  2.76"  $\times$  2.76") (L  $\times$ 

Ordering Information								
Туре	Model	Description						
IP CAMERA	DH-IPC-HFW1239S1-IL	2MP Entry Smart Dual Light Fixed-focal Bullet Network Camera						
	DH-PFA151	Corner mount bracket						
	G3416GW	G3/4" Water Joint						
	DH-PFA130-E	Water-proof Junction Box						
	DH-PFA152-E	Pole Mount Bracket						
Accessories (Optional)	DH-PFA134	Junction box						
	DH-PFM321-EN	DC12V1A power adapter						
	DH-PFM321D-EN	DC12V 1A power adapter						
	DH-PFM320D-EN	DC12V2A power adapter						
	PFM900-E	Integrated Mount Tester						

#### Accessories

### Optional:







DH-PFA151 Corner mount bracket

DH-PFA130-E Water-proof Junction Box

DH-PFA152-E Pole Mount Bracket









DH-PFA134 Junction box

DH-PFM321-EN DC12V1A power adapter

DH-PFM321D-EN DC12V 1A power adapter



DH-PFM320D-EN DC12V2A power adapter

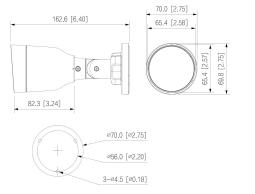


PFM900-E Integrated Mount Tester

Ceiling Mount	Wall Mount	Pole Mount(Vertical)

### Dimensions (mm[inch])





Structure
Casing Material

Net Weight

Gross Weight

**Product Dimensions**