DH-IPC-HFW1239V-A-LED-B

2MP Entry Full-color Fixed-focal Bullet Netwok Camera

- 2-MP 1/2.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 2 MP (1920 × 1080)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, the max. illumination distance is 35 m.
- Rotation mode, WDR, 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.
- Built in MIC.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.

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.

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.

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection technology triggers alarm or records.

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 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 ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	35 m (114.83 ft) (Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	4 (Warm light)

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	3.6 mm; 6 mm
Max. Aperture	F1.6
Field of View	3.6 mm: H: 88°; V: 44°; D: 105° 6 mm: H: 54°; V: 29°; D: 63°
Iris Control	Fixed
Close Focus Distance	3.6 mm: 1.3 m (4.27 ft) 6 mm: 2.5 m (8.20 ft)

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	3.6 mm	58.9 m (193.24 ft)	23.6 m (77.43 ft)	11.8 m (38.71 ft)	5.9 m (19.36 ft)
	6 mm	82.8 m (271.65 ft)	33.1 m (108.60 ft)	16.6 m (54.46 ft)	8.3 m (27.23 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: 1920 × 1080@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 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.
Stream Capability	2 streams
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 380); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
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 1080p resolution and lower)
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; G.726; PCM

Alarm

Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; audio exception; video tampering; security exception

Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF (Profile S); CGI
User/Host	6 (Total bandwidth: 36 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Client	iOS; Android
Cyber Security	Configuration encryption ;trusted execution; Digest; security logs; trusted upgrade; WSSE; trusted boot; account lockout; generation and importing of X.509 certification; video encryption

Certification

Certifications	CE-LVD: EN 62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

Power

Power Supply	12 VDC/PoE
Power Consumption	Basic: 1.5 W (12 VDC); 2.3 W (PoE) Max. (ICR Switch + H.265 + IR intensity): 3.9 W (12 VDC); 5.0 W (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)
Storage Humidity	≤95%
Protection	IP67
Anti-corrosion Level	Low

Structure

Casing Material	Metal + plastic
Product Dimensions	178.5 mm × 94.0 mm × 88.5 mm (7.03" × 3.70" × 3.48") (L × W × H)
Net Weight	0.49 kg (1.08 lb)
Gross Weight	0.85 kg (1.87 lb)

Ordering Information

Type	Model	Description
2MP Camera	DH-IPC-HFW1239V-A-LED-B	2 MP Entry Full-color Fixed-focal Bullet Netwok Camera
Accessories	PFB120WS	Wall Mount Bracket
	PFB110W	Ceiling Mount Bracket
	PFA121	Water-proof Junction Box
	PFA152-E	Pole Mount Bracket
	PFM321D	12 VDC 1A Power Adapter
	PFM900-E	Integrated Mount Tester

Accessories

Included:

PFB120WS
Wall Mount Bracket

Optional:

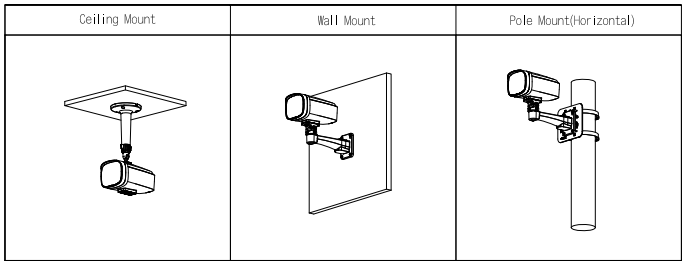
PFB110W
Ceiling Mount Bracket

PFA121
Water-proof Junction Box

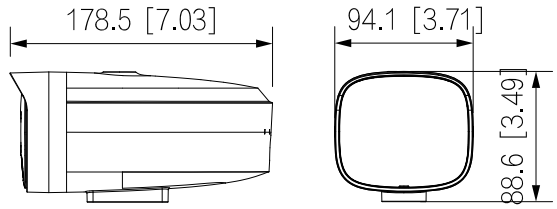
PFA152-E
Pole Mount Bracket

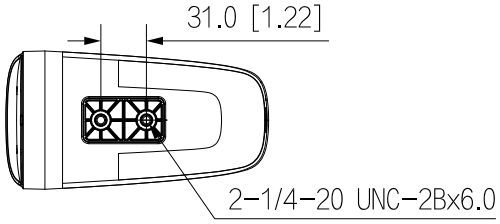
PFM321D
12 VDC 1A Power Adapter

PFM900-E
Integrated Mount Tester



Dimensions (mm[inch])





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