

DH-IPC-HFW2439M-S-LED-B-S2

4MP Lite Full-color Fixed-focal Bullet Network Camera



System Overview

With upgraded H.265 encoding technology, Dahua Lite series network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better color image in the condition of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 (Supported by some select models).

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.

Full-color

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in warm lights, max. illumination distance: 40 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- 12V DC/PoE power supply; 12V DC power output, max. current 165mA • IP67 protection



IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

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.

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 works normal 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.

Lite Series | DH-IPC-HFW2439M-S-LED-B-S2

Technical Specification

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VIDEO BIT RATE	Bit Rate Control		CBR/VBR			
H.265: 12 kbps–6144 kbps	Video Bit Rate					

Day/Night	Color/B/W			
BLC	Yes			
HLC	Yes			
WDR	120 dB			
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(Rol)	Yes (4 areas)			
Smart Illumination	Yes			
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688×1520 resolution and lower.)			
Mirror	Yes			
Privacy Masking	4 areas			
Audio				
Audio Compression	G.711A; G.711Mu; G.726			
Alarm				
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception			
Network				
Network	RJ-45 (10/100 Base-T)			
SDK and API	Yes			
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs, IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade			
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPOE; Bonjour			
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec			
User/Host	20 (Total bandwidth: 72 M.)			
Storage	Dahua Cloud; FTP; Micro SD card (support max. 256 G); NAS; SFTP			
Browser	IE Chrome Firefox			
Management Software	Smart PSS; DSS; DMSS			
Mobile Phone	IOS; Android			
Certification				
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B			

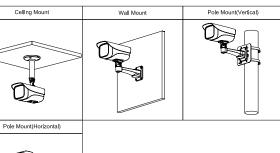
Lite Series | DH-IPC-HFW2439M-S-LED-B-S2

Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: 5mA 3V–5V DC
Alarm Output	2 channels out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<10.2W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than \leq 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67
Structure	
Casing	Metal + plastic
Dimensions	194.1 mm × 96.4 mm × 89.5 mm (7.6" × 3.8" × 3.5") (L × W × H)
Net Weight	0.725 kg (1.6 lb)
Gross Weight	1.215 kg (2.7 lb)

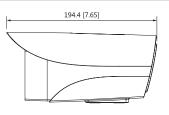
Ordering Information

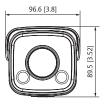
Туре	Part Number	Description	
4MP Camera	DH-IPC-HFW2439MP-S- LED-B-S2	4MP Lite Full-color Fixed-focal Bullet Network Camera,PAL	
	DH-IPC-HFW2439MN-S- LED-B-S2	4MP Lite Full-color Fixed-focal Bullet Network Camera,NTSC	
	PFB120WS	Wall Mount	
	PFB121W	Wall Mount Bracket	
	PFB110W	Wall Mount Bracket	
Accessories	PFA121	Junction Box	
Accessories	PFA152-E	Pole Mount Bracket	
	PFM321D	12V DC 1A Power Adapter	
	PFM900-E	Integrated Mount Tester	
	PFM114	TLC SD Card	

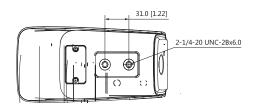
Accessories Standard: PFB120WS Wall Mount **Optional:** PFB110W PFB121W PFA121 Wall Mount Bracket Wall Mount Bracket Junction Box PFA152-E Pole Mount Bracket PFM321D PFM900-E 12V DC 1A Power Integrated Mount Adapter Tester 256 PFM114 TLC SD Card



Dimensions (mm[inch])







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