

DH-IPC-HFW2231M-AS-I2-B-S2

2MP Lite IR Fixed-focal Bullet Network Camera



- · Intelligent detection: Intrusion, tripwire
- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- · Built-in LEDs. max. illumination distance: 50 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
- 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













Series 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.

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.

Starlight

With advanced image processing technology and optical technology, Dahua Starlight technology can provide clear colorful video in the environment of low illuminance. It widely applies to various environments of low illuminance.

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

Technical Specification							BLC	Yes
Camera							HLC	Yes
Image Sensor		1/2.8"2Megapixel progressive CMOS					WDR	120 dB
Max. Resolution		1920 (H) × 1080 (V)					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
ROM		128 MB					Gain Control	Auto/Manual
RAM		128 MB					Noise Reduction	3D NR
Scanning System		Progressive					Motion Detection	OFF/ON (4 areas, rectangular)
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					Region of Interest (RoI)	Yes (4 areas)
Min. Illumination		0.002Lux@F1.6					Smart Illumination	Yes
S/N Ratio		>56 dB					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Illumination Dis	tance	50 m (164 ft)					Mirror	Yes
Illuminator On/0	Off Control	Auto/Manual					Privacy Masking	4 areas
Illuminator Number		2 (IR LED)					Audio	
Lens							Audio Compression	G.711A; G.711Mu; G.726
Lens Type		Fixed-focal					Alarm	
Mount Type		M12						No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage
Focal Length		3.6 mm; 6 mm					Alarm Event	
Max. Aperture		3.6 mm: F1.6 6 mm: F1.6					N. I.	detection; audio detection; safety exception; local alarm
Field of View		3.6 mm: Horizontal 87° × Vertical 46° × Diagonal 104° 6 mm: Horizontal 54° × Vertical 28° × Diagonal 63°					Network	DI 45 (40/400 D T)
Iris Type		Fixed					Network	RJ-45 (10/100 Base-T)
Close Focus Distance		3.6 mm: 1.2m (3.9ft)					SDK and API	Yes Video encryption; firmware encryption; configuration
0.000 1 0000 2 100	Lens	6 mm: 2.5m (8.2ft) Detect Observe Recognize		Identify		Cyber Security	encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509	
DORI Distance	3.6mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)			certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
	6mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3m (27.2 ft)		Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP;
Smart Event								RTMP; Multicast; SFTP; ICMP; IGMP; Bounjour
IVS Video		Tripwire; intrusion					Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Video		H.265; H.264; H.264B; MJPEG (only supported by the					User/Host	20 (Total bandwidth: 64 M)
Video Compression		sub stream)					Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP
Smart Codec		Smart H.265+/ Smart H.264+					Browser	IE Chrome
Video Frame Rate		Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream:						Firefox
video ri aille Nate		704 × 480 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)					Management Software	Smart PSS; DSS; DMSS
Stream Capability		2 streams					Mobile Phone	IOS; Android
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Certification	CE-LVD: EN62368-1
Bit Rate Control		CBR/VBR					Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Video Bit Rate		H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps					Port	
Day/Night		Auto(ICR)/Color/B/W					Audio Input	1 channel (RCAport)

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Audio Output	1 channel (RCAport)
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	<9.9W

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection	IP67

Structure

Casing	Metal + plastic
Dimensions	194.1 mm \times 96.4 mm \times 89.5 mm (7.6" \times 3.8" \times 3.5") (L \times W \times H)
Net Weight	0.725 kg (1.6 lb)
Gross Weight	1.215 kg (2.7 lb)

Ordering Information				
Туре	Model	Description		
2MP	DH-IPC-HFW2231MP-AS- I2-B-S2	2MP Lite IR Fixed-focal Bullet Network Camera, PAL		
Camera	DH-IPC-HFW2231MN-AS- I2-B-S2	2MP Lite IR Fixed-focal Bullet Network Camera, NTSC		
Accessories (Standard)	PFB122W	Wall Mount		
Accessories	PFM321D	12V DC 1A Power Adapter		
(optional)	PFM114	TLC SD Card		

Accessories

Standard:



PFB122W Wall Mount

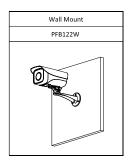


Optional:

PFM321D 12V DC 1A Power Adapter



PFM114 TLC SD Card



Dimensions (mm[inch])

