

# DH-IPC-HFW2230M-AS-LED-B

2MP Lite Full-color Fixed-focal Bullet Network Camera



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- · Outputs 2MP (1920 × 1080)@25/30 fps
- · H.265 codec, high compression rate, ultra-low bit rate
- Built-in LEDs, max LED distance: 20 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D DNR, 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. 128 GB Micro
- 12V DC/PoE power support; 12V DC power output, max. current 165mA
- · IP67 protection













#### **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 to the standards of IP67.

### **Functions**

#### **Smart Codec**

Adopting advanced algorithm of auto stream control according to the environment, Dahua smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing 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 ultra-low illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

#### **Image Flip**

Dahua Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

#### **Motion Detection**

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

#### 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  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

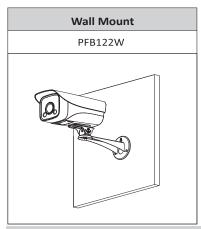


Technical Specification							BLC	Yes
Camera							HLC	Yes
Image Sensor		1/2.8" 2Megapixel progressive CMOS					WDR	DWDR
Effective Pixels		1920 (H) × 1080 (V)					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
ROM		16 MB					Gain Control	Auto/Manual
RAM		128 MB					Noise Reduction	3D DNR
Scanning System		Progressive					Motion Detection	OFF/ON (4 areas, rectangular)
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Region of Interest(RoI)	Yes (4 areas)
Min. Illumination		0.002 Lux@F1.6					Smart IR	Yes
LED Distance		20 m (65.6 ft)					Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower.)
LED On/Off Control		Auto/Manual						
LEDs Number		2					Mirror	Yes
Lens							Privacy Masking	4 areas
Lens Type		Fixed-focal					Network	
Mount Type		M12					Network	RJ-45 (10/100 Base-T)
Focal Length		3.6 mm 6 mm 3.6 mm: F1.6					Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Max. Aperture		6 mm: F1.6					Interoperability	ONVIF(Profile S/Profile G);CGI; P2P; Genetec
Field of View		3.6 mm: Pan 87° × Tilt 46° × Diagonal 104° 6 mm: Pan 53° × Tilt 30° × Diagonal 60°					User/Host	20
Iris Type		Fixed					Edge Storage	FTP; SFTP; Micro SD Card (support max. 128 GB); NAS
Close Focus Distance		3.6mm: 1.2 m (3.9 ft) 6mm: 2.5 m (8.2 ft)					Browser	IE: IE11 and earlier Chrome: 42 and earlier Firefox: 52 and earlier
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Management Software	Smart PSS; DSS; DMSS
	3.6 mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)		Mobile Phone	IOS; Android
	6 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.4 ft)	8.3 m (27.2 ft)		Certification	
Video							certification	CE-LVD: EN62368-1
Video Compression Smart Codec		H.265; H.264; H.264B; MJPEG					Certifications	CE-ENDC: ENDC.3506-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Smart Couet		Yes					Doub	
Video Frame Rate		Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)					Port	4   1/040   12
							Audio Input	1 channel (RAC port)
							Audio Output	1 channel (RAC port)
Stream Capability		2 streams					Alarm Input	2 channels In: 5mA 5V DC
Resolution				(1280 × 960); 7			Alarm Output	2 channels Out: 300mA 12V DC
		×720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Power	
Bit Rate Control		CBR/VBR					Power Supply	12V DC/PoE (802.3af)
		H.264: 32 kbps–6144 kbps					Power Consumption	< 10W
Video Bit Rate		H.265: 12 kbps-6144 kbps					Environment	
Day/Night		Color/B/W					Operating Conditions	-40°C to +60°C ( $-40$ °F to +140°F)/less than ≤ 95% RH

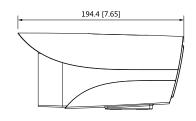
# Lite Series | DH-IPC-HFW2230M-AS-LED-B

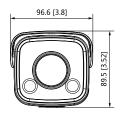
Storage Temperature	-40°C to +60°C (-40°F to +140°F)			
Protection Grade	IP67			
Structure				
Casing	Metal + plastic			
Dimensions	194.1 mm × 96.4 mm × 89.5 mm (7.6" × 3.8" × 3.5") (L $\times$ W × H)			
Net Weight	0.72 kg (1.6 lb)			
Gross Weight	1.25 kg (2.8 lb)			

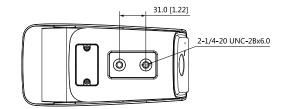
Ordering Information							
Туре	Part Number	Description					
2MP	DH-IPC-HFW2230MP-AS- LED-B	2MP Lite Full-color Fixed-focal Bullet Network Camera,PAL					
Camera	DH-IPC-HFW2230MN-AS- LED-B	2MP Lite Full-color Fixed-focal Bullet Network Camera,NTSC					
Accessories (Standard)	PFB122W	Wall Mount					
Accessories	PFM321D	DC12V1A Power Adapter					
(optional)	PFM114	TLC SD Card					



# Dimensions (mm[inch])







# Accessories

# Standard:



PFB122W Wall Mount

# Accessories

# Optional:





PFM321D DC12V1A Power Adapter

PFM114 TLC SD Card

