Lite Series | DH-IPC-HFW2230S-S-S2



DH-IPC-HFW2230S-S-S2

2MP Lite IR Fixed-focal Bullet Network Camera



- 2MP, 1/2.7" 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 IR LED, max IR distance: 30 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- · Supports max. 256 GB Micro SD card
- 12V DC/POE power supply
- 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+

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.

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



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Technical Specification Camera						Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
		1/2 7"2Meg	apixel progres	sive CMOS			, , , ,
Image Sensor		1920 (H) × 1		3170 011100		Bit Rate Control	CBR/VBR
Max. Resolution		128 MB	560 (V)			Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps
RAM		128 MB				Day/Night	Auto(ICR)/Color/B/W
Scanning Syste	em	Progressive				BLC	Yes
Electronic Shu	tter Speed	Auto/Manua	al 1/3 s–1/100	000 s		HLC	Yes
S/N Ratio	·	> 56 dB				WDR	DWDR
Min. Illuminati	on	0.005 Lux@	-1.6			White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Illumination Di	stance	30 m (98.43	ft)			Gain Control	
Illuminator On	/Off Control	Auto/Manua	ıl				Auto/Manual
Illuminator Nu	mber	1 (IR LED)				Noise Reduction	3D NR
		Pan: 0°-360	0			Motion Detection	OFF/ON (4 areas, rectangular)
Pan/Tilt/Rotat	ion Range	Tilt: 0°–90° Rotation: 0°	-360°			Region of Interest(RoI)	Yes (4 areas)
Lens						Smart Illumination	Yes
Lens Type		Fixed-focal				Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Supports $90^{\circ}/270^{\circ}$ with $1080p$ resolution and lower.)
Mount Type		M12				Mirror	Yes
Focal Length		2.8 mm 3.6 mm				Privacy Masking	4 areas
Max. Aperture		F1.6 F1.6				Alarm	
Field of View		2.8 mm: Horizontal 110.0° × Vertical: 59.0° × Diagonal: 132.0° 3.6 mm: Horizontal 91.0° × Vertical 48.0° × Diagonal 109.0°				Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; voltage detection; security exception
Iris Type		Fixed				Network	
		2.8 mm: 0.6 m (1.97 ft)				Network	RJ-45 (10/100 Base-T)
Close Focus Di	stance	3.6 mm: 1.1	,			SDK and API	Yes
	Lens	Detect	Observe	Recognize	Identify		Video encryption; firmware encryption; configuration
DORI Distance	2.8 mm	37.3 m (122.38 ft)	14.9 m (48.88 ft)	7.5 m (24.61 ft)	3.7 m (12.14 ft)	Cyber Security	encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot;
	3.6 mm	53.3 m (174.87 ft)	21.3 m (96.88 ft)	10.7 m (35.10 ft)	5.3 m (17.39 ft)		trusted execution; trusted upgrade
Smart ever	Smart event					Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS;
IVS		Tripwire; intrusion				Protocol	QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Video				to be a see a see by the co	ONVIF(Profile S/Profile G/Profile T);CGI; P2P;		
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by sub stream)				Interoperability	Milestone; Genetec
Smart Codec		Smart H.265+/ Smart H.264+				User/Host	20
		Main stream:				Storage	FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Video Frame Rate		Main Steam: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps)				Browser	IE Chrome Firefox
		704 × 480 (1 fps-30 fps)				Management Software	Smart PSS; DSS; DMSS
Stream Capability		2 streams				Mobile Phone	IOS; Android

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Certification

	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive	
Certifications	2014/30/EU	
	FCC: 47 CFR FCC Part 15, Subpart B	
	LIL/CLIL·LIL60950-1 CAN/CSA C22 2 No 60950-1-07	

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 4.6W

Environment

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

Structure

Casing	Metal
Dimensions	166.2 mm × Φ70 mm (6.54" × Φ2.76")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.57 kg (1.3 lb)

Ordering Information			
Туре	Part Number	Description	
2MP Camera	DH-IPC- HFW2230SP-S-S2	2MP Lite IR Fixed-focal Bullet Network Camera,PAL	
Zivii Carriera	DH-IPC- HFW2230SN-S-S2	2MP Lite IR Fixed-focal Bullet Network Camera,NTSC	
	PFA134	Junction Box	
	PFA152-E	Pole Mount	
Accessories	PFM321D	DC12V1A Power Adapter	
(optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender	
	PFM900-E	Integrated Mount Tester	
	PFM114	TLC SD Card	

Accessories

Optional:



PFA134 Junction Box



PFA152-E Pole Mount

Integrated Mount

Tester



PFM321D DC12V1A Power Adapter



PFM114 TLC SD Card

p	2002
ET/1EC	PFM900-E

LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender

Pole Mount	Junction Mount
PFA134+PFA152-E	PFA134

Dimensions (mm[inch])

