

DH-IPC-HFW2431T-ZAS-S2

4MP WDR IR Bullet Network Camera



- **System Overview**

With upgraded H.265 encoding technology, Dahua Lite series camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better colorful image in the environment of low illumination. It supports SD card storage, waterproof function, dust-proof function, complying to the standards of IP67.

Functions

Smart(H.265+ & 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.

Wide dynamic range (WDR)

Dahua adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back-light environment, bright region and dark region with strong light source, you can also get clear images.

- 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 IR LED. max IR distance: 60 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, 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, local alarm, voltage detection, audio abnormal
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection ,IK10 protection (optional)







Starlight





Starlight

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.

Intelligent Video Analysis (IVS)

With advanced video algorithm, Dahua camera supports intelligent detection, such as tripwire and intrusion and so on.

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					Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps
Camera				Day/Night	Auto(ICR)/Color/B/W	
Image Sensor	1/3" 4Megapixel progressive CMOS				BLC	Yes
Effective Pixels	2688 (H) × 1520 (V)				HLC	Yes
ROM	128 MB				WDR	120 dB
RAM	128 MB					Auto/natural/street lamp/outdoor/manual/regional
Scanning System	Progressive				White Balance	custom
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s				Gain Control	Auto/Manual
Min. Illumination	0.008 Lux@F1.5				Noise Reduction	3D DNR
IR Distance	60 m (196.85 ft)				Motion Detection	OFF/ON (4 areas, rectangular)
IR On/Off Control	Auto/Manual				Region of Interest(RoI)	Yes (4 areas)
IR LEDs Number	4				Smart IR	Yes
Pan/Tilt/Rotation Range	Pan: 0°–360°				Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 ×1520 resolution and lower.)
	Rotation: 0°–360°				Mirror	Yes
Lens Lens Type	Motorized vari-foca	Motorizadurai focal			Privacy Masking	4 areas
Mount Type	ф14				Audio	
Focal Length	2.7 mm-13.5 mm				Audio Compression	G.711a; G.711Mu; G.726; AAC
Max. Aperture	F1.5				Network	
maxi / iper care	Pan: 104°–27°				Network	RJ-45 (10/100 Base-T)
Field of View	Tilt: 55°–15° Diagonal: 124°–31°					IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP;
Iris Type Fixed aperture				Protocol	RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QOS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour	
Close Focus Distance	0.8 m-0.8 m (2.62 ft-2.62 ft)					ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone;
Lens		serve Recogniz			Interoperability	Genetec
DORI Distance W		5.6 m 12.8 m 3.99 ft) (41.99 ft	6.4 m (21.00 ft)		User/Host	20
Т		88 m 44 m 8.71 ft) (144.36 f	22 m (72.18 ft)		Edge Storage	Dahua Cloud; FTP ;SFTP ; Micro SD Card (support max. 256 GB); NAS
Smart Event					Browser	IE Chrome
General IVS Analytics	Tripwire; intrusion					Firefox
Video					Management Software	Smart PSS; DSS; DMSS
Video Compression	H.265; H.264; H.264	4B; MJPEG			Mobile Phone	IOS; Android
Smart Codec	Yes				Certification	
Main stream: 2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)			Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07		
Stream Capability	2 streams				Port	
	2688 × 1520 (2688	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440);			Audio Input	1 channel (RCA port)
Resolution	2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				Audio Output	1 channel (RAC port)
					Alarm Input	1 channel In: 5mA 5VDC
Bit Rate Control	ontrol CBR/VBR				Alarm Output	1 channel Out: 300mA 12VDC

Lite Series | DH-IPC-HFW2431T-ZAS-S2

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 9.6W

Environment

Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than ≤ 95% RH		
Storage Temperature	-40°C to +60°C (-40°F to +140°F)		
Protection	IP67;IK10(optional)		

Structure

Casing	Metal
Dimensions	244.1 mm × Φ90.4 mm (9.61" × Φ3.26")
Net Weight	0.9 kg (1.98 lb)
Gross Weight	1.15 kg (2.54 lb)

Ordering Information					
Туре	Part Number	Description			
4MP Camera	DH-IPC-HFW2431TP-ZAS-S2	4MP WDR IR Bullet Network Camera, PAL			
	DH-IPC-HFW2431TN-ZAS-S2	4MP WDR IR Bullet Network Camera,NTSC			
Accessories (optional)	PFA130-E	Junction Box			
	PFA152-E	Pole Mount			
	PFM321D	DC12V1A Power Adapter			
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender			
	PFM900-E	Integrated Mount Tester			
	PFM114	TLC SD card			

Accessories

Optional:



PFA130-E Junction Box



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



PFA152-E Pole Mount



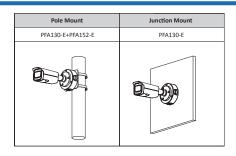
PFM900-E Integrated Mount Tester



PFM321D DC12V1A Power Adapter



PFM114 TLC SD Card



Dimensions (mm[inch])

