Lite Series | DH-IPC-HDW2431T-AS-S2



# DH-IPC-HDW2431T-AS-S2

4MP Lite IR Fixed-focal Eyeball Network Camera



- 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 coding, high compression ration, 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, WDR, 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
- · Max. 256 GB SD card and built-in Mic
- 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.



## Интернет магазин W.od.ua | Код товара: 02057 / 02056 | https://bit.ly/3kmEc1F

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Technical Specification						Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 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
Camera							
Image Sensor		1/3" 4Megapixel progressive CMOS				Bit Rate Control	× 240) CBR/VBR
Max. Resolution		2688 (H) × 1520 (V)					H.264: 32 kbps-6144 kbps
ROM		128 MB				Video Bit Rate	H.265: 12 kbps–6144 kbps
RAM		128 MB				Day/Night	Auto(ICR)/Color/B/W
Scanning System		Progressive				BLC	Yes
Electronic Shu	utter Speed	Auto/Manual 1/3 s-1/100000 s				HLC	Yes
Min. Illuminat	tion	0.008 Lux @ F1.6				WDR	120 dB
S/N Ratio		>56 dB				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Illumination D	Distance	30 m (98.43 ft)				Gain Control	Auto/Manual
Illuminator O	n/Off Control	Auto/Manua	al			Noise Reduction	3D NR
Illuminator Number		2 (IR LED)				Motion Detection	Disable/Enable (4 areas, rectangle)
Don/Tillt/Dotation Donas		Pan: 0°-360 Tilt: 0°-78°	•			Region of Interest(RoI)	Yes (4 areas)
Pan/Tilt/Rotation Range		Rotation: 0°	–360°			Smart Illumination	Yes
Lens						Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Supports $90^{\circ}/270^{\circ}$ with $2688\times1520$ resolution.)
Lens Type		Fixed-focal				Mirror	Yes
Mount Type		M12				Privacy Masking	4 areas
Focal Length		2.8 mm 3.6 mm				Audio	
Max. Aperture		F1.6 F1.6				Built-in MIC	Yes
Field of View		2.8 mm:				Audio Compression	G.711A; G.711Mu; G.726
			.02.0° × Vertica	al 55.0° × Diago	onal 121.0°	Alarm	
		Horizontal 8	4.0° × Vertical	45.0° × Diago	nal 100.0°		No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion
Iris Type		Fixed				Alarm Event	detection; video tampering; tripwire; intrusion; voltage detection; security exception
Close Focus Distance		2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (3.61 ft)				Network	
	Lens	Detect	Observe	Recognize	Identify	Network	RJ-45 (10/100 Base-T)
DORI Distance	2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)	SDK and API	Yes
Distance	3.6 mm	80 m (262.47 ft)	32.0 m (104.99 ft)	16.0 m (52.49 ft)	8.0 m (26.25 ft)	C. h. or C. o. orito	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security
Smart event						Cyber Security	logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
IVS	IVS Tripwire; intrusion					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	
Video			NFC/		Protocol		
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by sub stream)				Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P;
Smart Codec		Smart H.265+/ Smart H.264+					Milestone; Genetec
Video Frame Rate		Main stream: 2688 × 1520 (1 fps-20 fps)				User/Host	20
		2560 × 1440 Sub stream: 704 × 576 (1	(1 fps-25/30 f . fps-25 fps)	ps)		Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP  IE Google
		704 × 480 (1 fps-30 fps)				5.55.	Firefox
Stream Capability		2 streams				Management Software	Smart PSS; DSS; DMSS

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<u>'</u>					
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 UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07				
Power					
Power Supply	12V DC/PoE				
Power Consumption	Basic power consumption: 2.1W (12V DC), 2.5W (POE) Max power consumption (H.265, Max resolution, Max stream, WDR, IR full intensity, IVS): 5.7W (12V DC), 6.6W (POE)				
Environment					
Operating Temperature	-40°C to +60°C (-40°F to +140°F)				
Operating Humidity	≤95%				
Storage Temperature	-40°C to +60°C (-40°F to +140°F)				
Storage Humidity	≤95%				
Protection	IP67				
Structure					
Casing	Metal + Plastic				
Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")				
Net Weight	0.39 kg (0.86 lb)				

Ordering Information						
Туре	Part Number	Description				
4MP Camera	DH-IPC- HDW2431TP-AS-S2	4MP Lite IR Fixed-focal Eyeball Network Camera,PAL				
nvii camera	DH-IPC- HDW2431TN-AS-S2	4MP Lite IR Fixed-focal Eyeball Network Camera, NTSC				
	PFA130-E	Junction Box				
	PFB203W	Wall Mount				
	PFA152-E	Pole Mount				
Accessories	PFM321D	DC12V1A Power Adapter				
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender				
	PFM900-E	Integrated Mount Tester				
	PFM114	TLC SD Card				

0.52 kg (1.15 lb)

#### **Accessories**

#### **Optional:**







PFA152-E

PFA130-E Junction Box

PFB203W

Wall Mount

Pole Mount



LR1002-1ET/1EC



PFM900-E Integrated Mount Tester

PFM321D
DC12V1A
ower Adapter

Single-port Long Reach Ethernet over Coax Extende

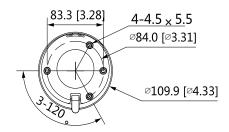


PFM114 TLC SD card

Junction Mount	Wall Mount	Pole Mount
PFA130-E	PFB203W	PFA152-E+PFB203W

### Dimensions (mm[inch])





Rev 001.001

Gross Weight