

DH-IPC-HDW2431T-AS-S2

4MP WDR IR Eyeball 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: 30 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, voltage detection
- · Supports max. 256 GB Micro SD card, built-in Mic
- 12V DC/PoE power support
- IP67 protection













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



Technical Specification							2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 ×
Camera						Resolution	1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352
Image Sensor		1/3" 4Mega	pixel progress	ive CMOS		Bit Rate Control	× 240) CBR/VBR
Effective Pixels		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 Shutter Speed		Auto/Manual 1/3 s-1/100000 s				HLC	Yes
Min. Illumination		0.01 Lux @ F1.6				WDR	120 dB
IR Distance		30 m (98.43 ft)				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
IR On/Off Cor	ntrol	Auto/Manual				Gain Control	Auto/Manual
IR LEDs Numb	IR LEDs Number					Noise Reduction	3D DNR
Pan/Tilt/Rota	Pan/Tilt/Rotation Range		°–360° -78°			Motion Detection	OFF/ON (4 areas, rectangular)
. any my notation hange		Rotation: 0°				Region of Interest(RoI)	Yes (4 areas)
Lens		5: 1				Smart IR	Yes
Lens Type Mount Type		Fixed M12				Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution.)
Focal Length		2.8 mm 3.6 mm				Mirror	Yes
Max. Aperture		F1.6				Privacy Masking	4 areas
,		F1.6 2.8 mm:				Audio	
	Field of View		02.0° 0°			Built-in MIC	Yes
Field of View			21.0°			Audio Compression	G.711A; G.711Mu; G.726; AAC
		Horizonal: 8 Vertical: 45. Diagonal: 10	0°			Network	
Iris Type		Fixed apertu	ıre			Network	RJ-45 (10/100 Base-T)
Close Focus Distance		2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (3.61 ft)				Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPP0E; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
	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)	User/Host	20
	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)	Edge Storage	Dahua Cloud; FTP; Micro SD Card (support max. 256 GB); NAS
Smart event							IE Channe
General IVS Analytics		Intrusion; tr	ipwire			Browser	Chrome Firefox
Video						Management Software	Smart PSS; DSS; DMSS
Video Compression		H.265; H.264; H.264B; MJPEG				Mobile Phone	IOS; Android
Smart Codec		Yes				Certification	
Video Frame Rate		Main stream: 2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 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
		704 × 480 (1				Power	
Stream Capability		2 streams				Power Supply	12V DC/PoE (802.3af)
·							

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

Power Consumption	< 6.6W		
Environment			
Operating Conditions	-40°C to $+60$ °C (-40 °F to $+140$ °F)/less than ≤ 95%		
Storage Temperature	-40°C to +60°C (-40°F to +140°F)		
Protection	IP67		

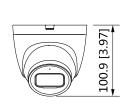
Junction Mount Wall Mount Pole Mount PFA130-E PFB203W PFA152-E+PFB203W

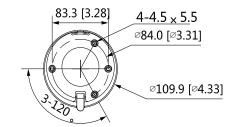
Structure

Casing	Metal + Plastic
Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.56 kg (1.2 lb)

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

Dimensions (mm[inch])





Accessories

Optional:



PFA130-E Junction Box



PFM321D DC12V1A Power Adapter



PFB203W Wall Mount



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



PFA152-E Pole Mount



PFM900-E Integrated Mount Tester



PFM114 TLC SD Card

