

DH-IPC-HDW1431T1-ZS-S4

4MP Entry IR Vari-focal Eyeball Netwok Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @25/30 fps, and supports max. 4MP (2688 × 1520) @20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED. max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Image Rotation, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 GB SD card
- 12V DC/PoE power supply
- · IP67 protection











Series Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry Series camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Motion Detection

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

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.

Smart Illumination

Dahua Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts Illuminations intensity automatically to display the details of the moving target.

Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from comprising 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 ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



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Technical Specification						Bit Rate Control	CBR; VBR	
Camera		10.00					Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Image Sensor		1/3 "4Megapixel progressive CMOS					Day/Night	Auto(ICR)/Color/B/W
	Max. Resolution		2688 (H) ×1520 (V)				BLC	Yes
	ROM		128 MB				HLC	Yes
RAM		128 MB					WDR	120 dB
Scanning System		Progressive					White Balance	Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Cain Cantual	custom Manual (Auto
S/N Ratio		> 56 dB					Gain Control	Manual/Auto
Min. Illumination	Min. Illumination		0.03 Lux @ F1.7				Noise Reduction	3D NR
Illumination Dist	ance	50 m (164.0 f	t)				Motion Detection	OFF/ON (4 areas, rectangular)
Illuminator On/C	Off Control	Auto/Manual					Region of Interest(RoI)	Yes (4 areas)
Illuminator Num	ber	2(IR LED)					Smart Illumination	Yes
Pan/Tilt/Rotatio	Pan/Tilt/Rotation Range		Pan: 0°–355° Tilt: 0°–75°				Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with 2688×1520 resolution and lower.)
		Rotation: 0°–360°					Mirror	Yes
Lens							Privacy Masking	4 areas
Lens Type		Motorized vari-focal					Alarm	
Mount Type Focal Length		φ14 2.8 mm–12 mm					Alarm Event	Network disconnection; IP conflict; motion detection; video tampering; illegal access; voltage detection; security exception; defocus detection;
Max. Aperture		F1.7					Network	
		Horizontal: 98°–31°					Network	RJ-45 (10/100 Base-T)
Field of View		Vertical: 55°–18° Diagonal: 116°–36°					SDK and API	Yes
Iris Type		Fixed					Cyber Security	Video encryption; firmware encryption; configuration
Close Focus Distance		0.8 m (2.6 ft)						encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted
	Lens	Detect 66.0 m	Observe 26.4 m	Recognize 13.2 m	Identify 6.6 m			execution; trusted upgrade
DORI Distance	W T	(183.7 ft) 200.0 m	(73.5 ft) 80.0 m	(36.7 ft) 40.0m	(18.4 ft) 20.0 m		Protocol	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	Video		(656.2 ft) (262.5 ft) (131.2 ft) (65.6 ft)				Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by sub stream)					User/Host	20
Smart Codec		Smart H.265+/ Smart H.264+					Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Video Frame Rate		Main Stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) Sub Stream: 704 × 576 (1 fps–20/25 fps)					Browser	IE Chrome Firefox
							Management Software	Smart PSS; DSS; DMSS
		704 × 480 (1 fps–20/30 fps)					Mobile Phone	IOS; Android
Stream Capability		2 streams					Certification	
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 × 240)					Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

Entry Series | DH-IPC-HDW1431T1-ZS-S4

Power

Power Supply	12V DC/POE (802.3af)
Power Consumption	< 6.9W (PoE)

Environment

Operating Conditions	-30°C to +55°C (-22°F to +131°F) /less than≤95%		
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)		
Protection	IP67		

Structure

Casing	Inner core: metal + plastic; cover: plastic
Dimensions	108.8 mm × Φ122 mm (4.3" × Φ4.8")
Net Weight	0.45 kg (1.0 lb)
Gross Weight	0.63 kg (1.4 lb)

Ordering Information				
Туре	Part Number	Description		
4MP Camera	DH-IPC-HDW1431T1P-ZS-S4	4MP Entry IR vari-focal Eyeball Netwok Camera,PAL		
	DH-IPC-HDW1431T1N-ZS-S4	4MP Entry IR Vari-focal Eyeball Netwok Camera,NTSC		
	PFA130-E	Junction Box		
	PFB203W	Wall mount		
	PFA106	Mount adapter		
	PFB220C	Ceiling mount		
Accessories (optional)	PFA152-E	Pole Mount		
(optional)	PFM321D	12V DC 1A Power adapter		
	LR1002-1ET/1EC	Single-port long reach ethernet Over coax extender		
	PFM900-E	Integrated Mount Tester		
	PFM114	TLC SD Card		

Accessories

Optional:







PFB220C

Celling Mount



PFB203W Wall Mount



PFA152-E Pole Mount



PFA106

Mount Adapter

PFM321D 12V DC 1A Power Adapter



LR1002-1ET/1EC Single-port long reach ethernet over coax extender



PFM900-E Integrated Mount tester

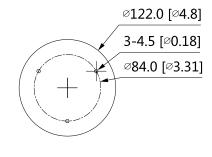


PFM114 TLC SD card

Junction Mount	Wa ll Mount	Ce ll ing Mount
Pole Mount(Vertical)		

Dimensions (mm[inch])





Rev 001.001

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