

DH-IPC-HDPW1431R1-ZS-S4

4MP Entry IR Vari-focal Dome 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: 35 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.



Technical Specification							Video Bit Dete	H.264: 32 kbps-6144 kbps
Camera						Video Bit Rate	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							White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
- 1		Progressive					Gain Control	Manual/Auto
Electronic Shutter Speed		Auto/Manual 1/3 s=1/100000 s					Noise Reduction	3D NR
S/N Ratio		> 56 dB						OFF/ON (4 areas, rectangular)
Min. Illumination		0.03 Lux @ F1.7					Motion Detection	
Illumination Dist		35 m (114.83 ft)					Region of Interest(RoI)	Yes (4 areas)
Illuminator On/O		Auto/Manual					Smart Illumination	Yes
Illuminator Number		2 (IR LED) Pan: 0°–355°					Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with 2688×1520 resolution and lower.)
Pan/Tilt/Rotation Range		Tilt: 0°–75° Rotation 0°–355°					Mirror	Yes
Lens							Privacy Masking	4 areas
Lens Type		Motorized vari-focal					Alarm	
Mount Type		ф14					Alarm Event	Network disconnection; IP conflict; motion detection; video tampering; illegal access; voltage detection; security exception; defocus detection;
Focal Length		2.8 mm-12 mm					Network	security exception, derocas detection,
Max. Aperture		F1.7					Network	RJ-45 (10/100 Base-T)
Field of View		Horizontal: 98°–31° Vertical: 55°–18° Diagonal: 116°–36°					SDK and API	Yes
			, 30					Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs;
Iris Type Close Focus Distance		0.8 m (2.6 ft)					Cyber Security	IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
	Lens	Detect	Observe	Recognize	Identify		Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP;
DORI Distance	W	66.0 m (183.7 ft)	26.4 m (73.5 ft)	13.2 m (36.7 ft)	6.6 m (18.4 ft)			NTP; Multicast; ICMP; IGMP; NFS; PPPOE; Bonjour ONVIF (Profile S/Profile G/Profile T); CGI; Milestone;
	Т	200.0 m (656.2 ft)	80.0 m (262.5 ft)	40.0m (131.2 ft)	20.0 m (65.6 ft)		Interoperability	Genetec; P2P
Video		(030.2 1t)	(202.5 10)	(131.2 10)	(05.011)		User/Host	20
video							Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by sub stream)					Browser	IE Chrome Firefox
Smart Codec		Smart H.265+/ Smart H.264+					Management Software	Smart PSS; DSS; DMSS
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)					Mobile Phone	IOS; Android
							Certification	
Stream Capability		704 × 480 (1 fps–20/30 fps) 2 streams					Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
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)					Power	,,
							Power Supply	12V DC/POE (802.3af)
Bit Rate Control		CBR; VBR					Power Consumption	< 6.4W

Entry Series | DH-IPC-HDPW1431R1-ZS-S4

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	Plastic
Dimensions	98.1 mm × Φ122 mm (3.9" × Φ4.8")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.57 kg (1.3 lb)

Ordering Information					
Туре	Part Number	Description			
4MP	DH-IPC-HDPW1431R1P-ZS-S4	4MP Entry IR Vari-focal Dome Netwok Camera,PAL			
Camera	DH-IPC-HDPW1431R1N-ZS-S4	4MP Entry IR Vari-focal Dome Netwok Camera,NTSC			
	PFA137	Junction Box			
	PFA123	Junction Box			
	PFB203W	Wall Mount			
	PFA152-E	Pole Mount			
	PFA106	Mount Adapter			
Accessories (optional)	PFB220C	Ceiling Mount			
	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			



PFM321D 12V DC 1A Power Adapter



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



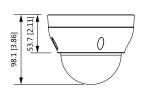
PFM900-E Integrated Mount tester

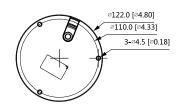


PFM114 TLC SD card

Ce ili ng Mount	Wa ll Mount	Ceilling Mount
Pole Mount(Vertical)		

Dimensions (mm[inch])





Accessories

Optional:



Junction Box





PFB203W Wall Mount





Junction Box





PFA106 Mount Adapter

PFB220C Celling Mount