

# 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  $\times$  1440) @25/30 fps, and supports max. 4MP (2688  $\times$  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 DNR, 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 support
- · IP67 protection











## **System Overview**

With features of simple installation, easy operation, and high performance-cost ratio, 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+ & H.264+)

With advanced scene-adaptive rate control algorithm, 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, Motion Detection (General) technology triggers alarm or records.

# Wide Dynamic Range (WDR)

With advanced Wide Dynamic Range (WDR) technology, 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 IR**

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

# 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							Bit Rate Control	CBR; VBR
Camera							Video Bit Rate	H.264: 32 Kbps-6144 Kbps
Image Sensor		1/3 "4Megapixel progressive CMOS						H.265: 12 Kbps–6144 Kbps Auto(ICR)/Color/B/W
Effective Pixels		2688 (H) ×1520 (V)					Day/Night BLC	Yes
ROM		128 MB					HLC	Yes
RAM		128 MB					WDR	120 dB
Scanning System		Progressive						Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					White Balance	custom
Min. Illumination		0.03 Lux @ F1.7					Gain Control	Manual/Auto
IR Distance		50 m (164.0 ft)					Noise Reduction	3D DNR
IR On/Off Control		Auto/Manual					Motion Detection	OFF/ON (4 areas, rectangular)
IR LEDs Number		2					Region of Interest(RoI)	Yes (4 areas)
Pan/Tilt/Rotation Range		Horizontal: 0°–355° Vertical: 0°–75°					Smart IR	Yes
any my notation range		Rotation: 0°–360°					Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with $2688\times1520$ resolution.)
Lens							Mirror	Yes
Lens Type		Motorized vari-focal					Privacy Masking	4 areas
Mount Type		ф14					Network	
Focal Length		2.8 mm-12 mm					Network	RJ-45 (10/100 Base-T)
Max. Aperture		F1.7  Horizontal: 98°–31°					Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP
Field of View		Vertical: 55°– Diagonal: 116					Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone;
Iris Type		Fixed apertur	e				User/Host	20
Close Focus Distance		0.8 m (2.6 ft)					Edge Storage	Cloud; FTP; SFTP; Micro SD card (support max. 256 GB); NAS
DORI Distance	Lens W	Detect 66.0 m (183.7 ft)	Observe 26.4 m (73.5 ft)	13.2 m (36.7 ft)	6.6 m (18.4 ft)		Browser	IE Chrome Firefox
	Т	200.0 m (656.2 ft)	80.0 m (262.5 ft)	40.0m (131.2 ft)	20.0 m (65.6 ft)		Management Software	Smart PSS; DSS; DMSS
Video		(2000)					Mobile Phone	IOS; Android
Video Compression		H.265; H.264; H.264B; MJPEG					Certification	
Smart Codec		Yes  Main Stream:					Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Video Frame Rat	te		(1 fps–20 fps) (1 fps–25/30 fp	os)			Power	
video Frame Rate		Sub Stream: 704 × 576 (1 fps–20/25 fps) 704 × 480 (1 fps–20/30 fps)					Power Supply	12V DC/POE (802.3af)
							Power Consumption	< 6.9W (PoE)
Stream Capability		2 streams					Environment	
Resolution							Operating Conditions	-30°C to +55°C (-22°F to +131°F) /less than≤95%
		2304 × 1296	(2304 × 1296);	2560 × 1440 (2 1080p (1920 ×	1080); 1.3M		Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
			(1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				Ingress Protection	IP67
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# Structure

Casing	Metal + 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	IPC-HDW1431T1P-ZS-S4	4MP Entry IR vari-focal Eyeball Netwok Camera,PAL				
Camera	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	DC12V1A Power adapter				
	LR1002-1ET/1EC	Single-port long reach ethernet Over coax extender				
	PFM900-E	Integrated Mount Tester				
	PFM114	TLC SD Card				

Accessories
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# **Optional:**



PFA130-E Junction Box



PFB203W Wall Mount



PFA106 Mount Adapter





PFA152-E Pole Mount



PFM321D DC12V1A Power Adapter



PFB220C

Celling Mount

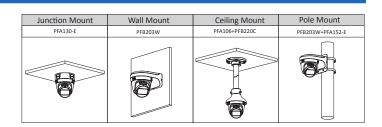
LR1002-1ET/1EC Single-port long reach ethernet over coax extender



PFM900-E Integrated Mount tester



PFM114 TLC SD card



# Dimensions (mm[inch])

