

DH-IPC-HFW1431T-ZS-S4

4MP Entry IR Vari-focal Bullet 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
- \cdot 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, 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+ & 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.

Wide Dynamic Range (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 IR

Dahua 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
Technical Specification								СВК; VBК H.264: 32 Kbps-6144 Kbps
Camera		1/2 "AMaganiyal progressive CMOS					Video Bit Rate	H.265: 12 Kbps-6144 Kbps
Image Sensor		1/3 "4Megapixel progressive CMOS					Day/Night	Auto(ICR)/Color/B/W
Effective Pixels		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 custom
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Gain Control	Manual/Auto
Min. Illumination		0.03 Lux @ F1.7					Noise Reduction	3D DNR
IR Distance		50 m (164.0 ft)					Motion Detection	OFF/ON (4 areas, rectangular)
IR On/Off Contro	IR On/Off Control		Auto/Manual				Region of Interest(RoI)	Yes (4 areas)
IR LEDs Number		2					Smart IR	Yes
Pan/Tilt/Rotatio	ın Range	Horizontal: 0°–360°					Siliaitin	
Pan/Tilt/Rotation Range		Vertical: 0°–90° Rotation: 0°–360°					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 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°–18° Diagonal: 116°–36°					Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone;
Iris Type		Fixed aperture					User/Host	20
Close Focus Distance		0.8 m (2.6 ft)					Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD card (support max.
	Lens	Detect	Observe	Recognize	Identify		Edge Storage	256 GB); NAS
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)		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	Video						Mobile Phone	IOS; Android
Video Compression		H.265; H.264; H.264B; MJPEG					Certification	
Smart Codec	Smart Codec							CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive
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) 704 × 480 (1 fps–20/30 fps)					Certifications	2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
							Power	
							Power Supply	12V DC/POE (802.3af)
							Power Consumption	< 7.4W
Stream Capability		2 streams					Environment	
Resolution		2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440);					Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than≤95%
		2304 × 1296 (2304 × 1296); 13809 (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 ×240)					Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
							Ingress Protection	IP67

Entry Series | DH-IPC-HFW1431T-ZS-S4

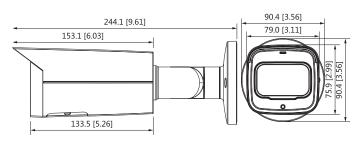
Structure

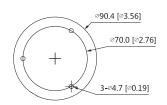
Casing	Metal		
Dimensions	244.1 mm × Φ90.4 mm (9.6" × Φ3.6")		
Net Weight	0.85 kg (1.9 lb)		
Gross Weight	1.10 kg (2.4 lb)		

Ordering Information					
Туре	Part Number	Description			
4MP	DH-IPC-HFW1431TP-ZS-S4	4MP Entry IR Vari-focal Bullet Netwok Camera,PAL			
Camera	DH-IPC-HFW1431TN-ZS-S4	4MP Entry IR Vari-focal Bullet Netwok Camera,NTSC			
	PFA130-E	Junction Box			
	PFA152-E	Pole mount			
Accessories	PFM321D	DC12V1A Power adapter			
(optional)	LR1002-1ET/1EC	Single-port long reach ethernet Over coax extender			
	PFM900-E	Integrated mount tester			
	PFM114	TLC SD card			

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

Dimensions (mm[inch])





Accessories

Optional:







PFA152-E Pole Mount



PFM321D DC12V1A Power Adapter



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



PFM900-E Integrated Mount tester



PFM114 TLC SD card

