

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 × 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.



Technical Specification				Bit Rate Control	CBR; VBR
Camera				Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps
Image Sensor	1/3 "4Megapixel pro	ogressive 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				custom
S/N Ratio	> 56 dB			Gain Control	Manual/Auto
Min. Illumination	0.03 Lux @ F1.7			Noise Reduction	3D NR
Illumination Distance	50 m (164.0 ft)			Motion Detection	OFF/ON (4 areas, rectangular)
Illuminator On/Off Contro	l Auto/Manual			Region of Interest(RoI)	Yes (4 areas)
Illuminator Number	2 (IR LED)			Smart Illumination	Yes
Pan: 0°–360° Pan/Tilt/Rotation Range Tilt: 0°–90°				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	ф14 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	
Wax. Aperture	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				Video encryption; firmware encryption; configuration
Close Focus Distance Lens	0.8 m (2.6 ft) Detect Obs	erve Recognize	Identify	Cyber Security	encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
DORI Distance	66.0 m 26.	4 m 13.2 m 5 ft) (36.7 ft)	6.6 m (18.4 ft)	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP;
Т		0 m 40.0m 2.5 ft) (131.2 ft)	20.0 m (65.6 ft)		NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour ONVIF (Profile S/Profile G/Profile T); CGI; Milestone;
Video				Interoperability	Genetec; P2P
Video Compression	H.265; H.264; H.264B; MJPEG (only supported			User/Host	20
·	by sub stream)			Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Smart Codec	Smart H.265+/ Smart H.264+			Browser	IE Chrome Firefox
	, ,	Main Stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps)			Smart PSS; DSS; DMSS
Video Frame Rate	Sub Stream: 704 × 576 (1 fps-20/25 fps) 704 × 480 (1 fps-20/30 fps)			Mobile Phone	IOS; Android
				Certification	
Stream Capability	2 streams			Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Resolution	2304 × 1296 (2304 ×	x 1520); 2560 × 1440 (x 1296); 1080p (1920 × 1280 × 720); D1 (704	× 1080); 1.3M	Power	FCC: 47 CFR FCC Part 15, Subpart B
		0); CIF (352 × 288/352		Power Supply	12V DC/POE (802.3af)

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

Power Consumption	< 7.4W			
Environment				
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than≤95%			
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)			
Protection	IP67			

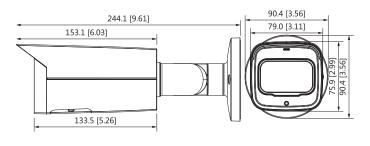
Structure

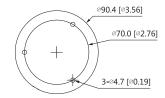
Casing	Metal	
Dimensions	244.1 mm × Φ90.4 mm (9.6" × Φ3.6")	
Net Weight	0.85 kg (1.9 lb)	
Gross Weight	1.10 kg (2.4 lb)	

Ordering Information					
Туре	Part Number	Description			
4MP Camera	DH-IPC-HFW1431TP-ZS-S4	4MP Entry IR Vari-focal Bullet Netwok Camera,PAL			
	DH-IPC-HFW1431TN-ZS-S4	4MP Entry IR Vari-focal Bullet Netwok Camera,NTSC			
	PFA130-E	Junction Box			
	PFA152-E	Pole mount			
Accessories	PFM321D	12V DC 1A Power adapter			
(optional)	LR1002-1ET/1EC	Single-port long reach ethernet Over coax extender			
	PFM900-E	Integrated mount tester			
	PFM114	TLC SD card			

Ceiling Mount Junction Mount Pole Mount(Vertical)

Dimensions (mm[inch])





Accessories

Optional:







PFA130-E Junction Box

PFA152-E Pole Mount

PFM321D 12V DC 1A Power Adapter









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PFM114 TLC SD card