

# DH-IPC-HDW1431T1P-0280B

4MP Entry IR Fixed-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: 40m
- 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, network disconnection, IP conflict, illegal access, voltage detection
- 12V DC/PoE power supply
- · IP67, IK10 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 e ciency 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.



	ecificatio	on				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
Max. Resolution		2688 (H) ×1520 (V)				Day/Night	
ROM		128 MB				BLC	Yes
RAM		128 MB				HLC	Yes
Scanning System		Progressive				WDR	120 dB
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
S/N Ratio		> 56 dB				Gain Control	Manual/Auto
Min. Illumination		0.01 Lux @ F1.6				Noise Reduction	3D NR
Illumination Distance		40m				Motion Detection	OFF/ON (4 areas, rectangular)
Illuminator On/Off Control		Auto/Manual				Region of Interest(RoI)	Yes (4 areas)
Illuminator On/Off Control						Smart Illumination	Yes
mummator Numb	)ei	1(IR LED) Pan: 0°–355°					0°/90°/180°/270° (Support 90°/270° with 2688 × 1520
Pan/Tilt/Rotation Range		Tilt: 0°–78° Rotation: 0°–360°				Image Rotation	resolution and lower.)
Lens						Mirror	Yes
Lens Type		Fixed-focal				Privacy Masking	4 areas
Mount Type		M12				Alarm	
Focal Length		2.8 mm 3.6 mm				Alarm Event	Network disconnection; IP conflict; motion detection; video tampering; illegal access; voltage detection; security exception
Max. Aperture		F2.0				Network	
Field of View		2.8 mm: Horizontal: 93° Vertical: 53° Diagonal: 111°				Network	RJ-45 (10/100 Base-T)
						SDK and API	Yes
		3.6 mm: Horizontal: 81° Vertical: 44° Diagonal: 95°				Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509
Iris Type		Fixed					certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Close Focus Distance		2.8 mm: 0.8 m (2.6 ft) 3.6 mm: 1.4 m (4.6 ft)				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
	Lens 2.8mm	Detect 50.0 m	Observe 22.4 m	Recognize 11.2 m	Identify 15.1 m	Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
DORI Distance	2.011111	(183.7 ft) 80.0 m	(73.5 ft) 32.0 m	(36.7 ft) 16.0 m	(18.4 ft) 8.0 m	User/Host	20
	3.6mm	(262.5 ft)	(105.0 ft)	(52.5 ft)	(26.2 ft)	Storage	FTP; SFTP; NAS
Video							IE
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by sub stream)				Browser	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)				Mobile Phone	IOS; Android
		2560 × 1440 (1 fps-25/30 fps) Sub Stream: 704 × 576 (1 fps-20/25 fps) 704 × 480 (1 fps-20/30 fps)				Certification	
Stream Capability		2 streams					CE-LVD: EN62368-1
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-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B

### Entry Series | DH-IPC-HDW1431T1P-0280B

### Power

Power Supply	12V DC/POE (802.3af)
Power Consumption	< 5.1W

### Environment

Operating Conditions	-40°C to +60°C /less than≤95%
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection	IP67, IK10

### Structure

Casing	Inner core:metal+ plastic; cover:plastic
Dimensions	85.5 mm × Φ109 mm (3.4" × Φ4.3")
Net Weight	0.25 kg (0.6 lb)
Gross Weight	0.37 kg (0.8 lb)

#### **Ordering Information** Part Number Description Type 4MP Entry IR Fixed-focal Eyeball DH-IPC-HDW1431T1P-0280B Netwok Camera, PAL 4MP Camera 4MP Entry IR Fixed-focal Eyeball DH-IPC-HDW1431T1P-0280B Netwok Camera, NTSC PFA136 Junction Box PFA130-E Junction Box PFB203W Wall Mount PFA106 Mount Adapter Accessories PFB220C Ceiling Mount (optional) PFA152-E Pole Mount PFM321D 12V DC 1A Power Adapter Single-port Long Reach Ethernet LR1002-1ET/1EC over Coax Extender PFM900-E Integrated Mount Tester

### **Accessories**

### **Optional:**







PFA130-E Junction Box



PFB203W Wall Mount







PFA106 Mount Adapter

PFB220C Ceiling Mount

PFA152-E Pole Mount

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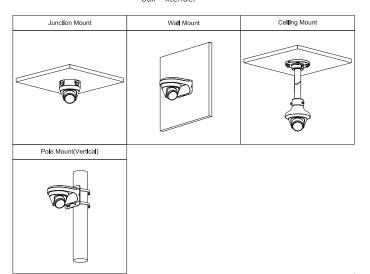
PFM321D 12V DC 1A Power Adapter



LR1002-1ET/1EC
Single-port �ong
�each �thernet over
�oax �xtender



PFM900-E Integrated Mount ester



### Dimensions (mm[inch])

