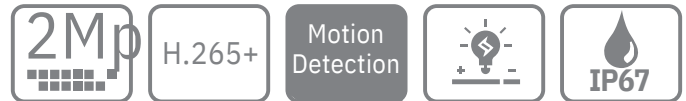


# DH-IPC-HDW1230T1-S4

2MP Entry IR Fixed-Focal Eyeball Network Camera



- 2MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max. IR distance: 30 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access
- 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 technology triggers alarm or records.

### 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.

### Image Flip

For narrow and long scenes, Dahua image flip technology flips the image by 90°/270° to realize better surveillance in rotation mode.

### 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 work 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.

Auth. Project Partner :



**Technical**

**Specification Camera**

Image Sensor	1/2.7" 2Megapixel progressive
Effective Pixels	CMOS 1920 (H) × 1080 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter	Auto/Manual 1/3 s~1/100000 s
Speed Min. Illumination	0.01 Lux @F2.0
IR Distance	30 m (98.4 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	1
Pan/Tilt/Rotation Range	Horizontal: 0°~355° Vertical: 0°~78° Rotation: 0°~360°

**Lens**

Lens Type	Fixed-focal			
Mount Type	M12			
Focal Length	2.8 mm 3.6 mm			
Max. Aperture	F2.0 F2.0			
Field of View	2.8 mm: Horizontal: 105° Vertical: 57° Diagonal: 125° 3.6 mm: Horizontal: 87° Vertical: 47° Diagonal: 104° Fixed aperture			
Iris Type	0.5 m (1.6 ft) 0.9 m (3.0 ft)			
Close Focus Distance	Detect Observe			
Lens	37.3 m 14.9 m (122.4 ft)(48.9 ft)			
DORI Distance	2.8 mm	53.3 m 21.3 m (174.9 ft)(69.9 ft)	Recognize	Identify
	3.6 mm		7.5 m (24.6 ft)	3.7 m (12.1 ft)
				10.7 m (35.1 ft)

**Video**

Video Compression	H.265; H.264; H.264H; H.264B;
Smart Codec	MJPEG Yes
Video Frame Rate	Main Stream: 1920 × 1080 (1 fps~25/30 fps) Sub stream: 704 × 576 (1 fps~25 fps) 704 × 480 (1 fps~30 fps)
Stream Capability	2 streams
Resolution	1080p (1920 × 1080); 1.3m (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR

Video Bit Rate	H.264: 32 Kbps~6144 Kbps H.265: 12 Kbps~6400 Kbps
Day/Night	Auto(ICR)/Color/B/W
t BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Manual/Auto
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Rol)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution.)
Mirror	Yes
Privacy Masking	4 areas

**Network**

Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast
Interoperabilit	ONVIF (Profile S); CGI; P2P; Genetec
y User/Host	20
Edge Storage	FTP; Dahua Cloud
Browser	IE Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android

**Certification**

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
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**Power**

Power Supply	12V DC/PoE
Power Consumption	(802.3af) <4.3 W

**Environment**

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤
Storage	95% -40°C to +60°C (-40°F to +140°F)
Temperature Ingress	IP67

**Protection**

**Auth. Project Partner :**



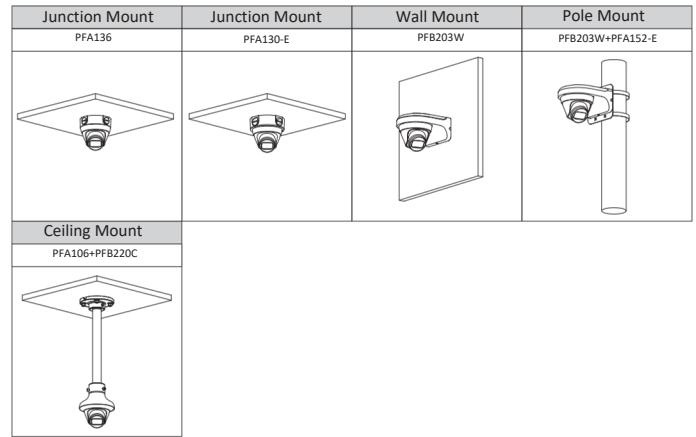
# Entry Series | DH-IPC-HDW1230T1-S4

## Structure

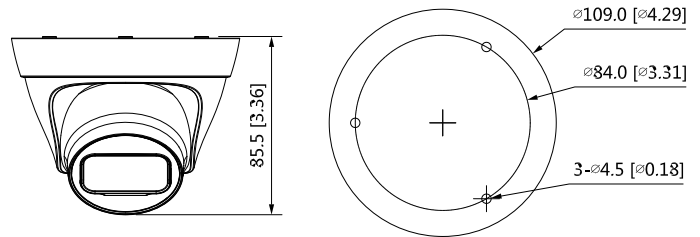
Casing	Metal + plastic
Dimensions	85.5 mm × Φ109 mm (3.4" × Φ4.3")
Net Weight	0.24 kg (0.5 lb)
Gross Weight	0.37 kg (0.8 lb)

## Ordering Information

Type	Part Number	Description
2MP Camera	DH-IPC-HDW1230T1P-S4	2MP Entry IR Fixed Focal Eyeball Network Camera, PAL
	DH-IPC-HDW1230T1N-S4	2MP Entry IR Fixed Focal Eyeball Network Camera, NTSC
Accessories (optional)	PFA136	Junction Box
	PFA130-E	Junction Box
	PFB203W	Wall Mount
	PFA 10 6	Mount Adapter
	PFB220C	Ceiling Mount
	PFA 152-E	Pole Mount
	PFM321D	DC12V1A Power Adapter Single-port Long Reach Ethernet over Coax Extender
	LR1002-1ET/1EC	Integrated Mount Tester
	PFM900-E	



## Dimensions (mm[inch])



## Accessories

### Optional:



PFA136  
Junction Box



PFA130-E  
Junction Box



PFB203W  
Wall Mount



PFA 10 6  
Mount Adapter



PFB220C  
Ceiling Mount



PFA152-E  
Pole Mount



PFM321D  
DC12V1A Power  
Adapter



LR1002-1ET/1EC  
Single-port Long  
Reach Ethernet over  
Coax Extender



PFM900-E  
Integrated Mount  
Tester

Auth. Project Partner :



Solutions Design | Supply | Installations | AMC | Services

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