DH-IPC-PT1239H-PV

2MP Smart Dual Light Active Deterrence Network PT Camera



- 1/2.8" 2Megapixel CMOS.
- Max. 25/30 fps@2MP.
- H.265 Encoding.
- Human/Vehicle Detection.
- Perimeter Protection.
- Active Deterrence.
- Smart Dual Light.
- Two-way Talk.
- Easy App Controls.



Series Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network 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 Dual Light

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

Siren and Light Active Deterrence

The camera supports the white light alarm and voice alarm when perimeter event occurs, to realize the deterrence and effective intervention. The camera is built in the alarm voice, and supports customized voice importing.

Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.

Human Detection

Dahua intelligent algorithms extract moving human targets from videos and filters out alarms that are triggered by non-human targets to increase the accuracy and effectiveness of alarms.

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.

IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Pixel	2 MP
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	128 MB
Electronic Shutter Speed	1 s–1/30,000 s
Scanning System	Progressive
Min. Illumination	0.05 lux@F1.6 (Color, 30 IRE); 0.005 lux@F1.6 (B/W, 30 IRE); 0 lux (Illuminator on);
Illumination Distance	30 m (98.43 ft) (IR + warm light-only warm light is enbaled) 30 m (98.43 ft) (IR + warm light-only IR is enbaled)
Illuminator On/Off Control	Manual; auto; off
Illuminator Number	2 (IR + warm light)

Lens

Focal Length	2.8 mm; 3.6 mm
Max. Aperture	F1.6
Field of View	2.8 mm: H:103°;V:55°;D:123° 3.6 mm: H: 86°; V: 46°; D: 103°
Close Focus Distance	2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.2 m (3.93 ft)
Iris Control	Fixed

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	38.6 m (126.64 ft)	15.4 m (50.52 ft)	7.7 m (25.26 ft)	3.86 m (12.66 ft)
	3.6 mm	49.6 m (162.73 ft)	19.8 m (64.96 ft)	9.9 m (32.48 ft)	4.96 m (16.27 ft)
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.				

PTZ

Pan/Tilt Range	Pan: 0° to 345°; Tilt: 0° to +90°
Manual Control Speed	Pan: 0.1°–37.66°/s; Tilt: 0.1°–32.61°/s
Preset Speed	Pan: 0.1°–37.19°/s; Tilt: 0.1°–30.82°/s
Preset	50
Power-off Memory	Yes
Idle Motion	Preset

Smart Event

IVS	Yes
Human Detection	Yes
Vehicle Detection	Yes

Active Deterrence

Light Warning	Warm light warning; Flash duration: 5 s–30 s; Flash frequency: high, medium, low
Sound Warning	Offers 1 sound alarm and 10 custom sound alarms can be imported; Sound can be set from 0%–100%; Play times can be set from 1-10.

Video

Video Compression	Smart H.265+;H.265;Smart H.264+;H.264B;H.264M;H.264H;MJPEG(Sub Stream 1)
Streaming Capability	1 stream
Resolution	1080p (1920 × 1080); 720p (1280 × 720); 640 × 360 (640 × 360); QVGA (320 × 240)
Video Frame Rate	Main stream: 1080p/720p/640 × 360@(1–25/30 fps) Sub stream 1: 640 × 360/QVGA@(1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 16 kbps–8,192 kbps H265: 6 kbps–6,400 kbps
Day/Night	Auto (ICR); Color/B/W
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Defog	Electronic
Image Rotation	180°
S/N Ratio	≥55 dB

Audio

Audio Compression	PCM; G.711A; G.711Mu; G.726
Built-in MIC	Yes
Built-in Speaker	Yes

Network

Network Port	RJ-45 (10/100 Base-T)
Network Protocol	HTTP;HTTPS;TCP/IP;IPv4;RTSP;UDP;DHCP;DNS;DDNS;IPv6;SSL;ARP;RTCP;RTP;IP Filter
Interoperability	CGI;SDK;ONVIF (Profile S & Profile T)
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	FTP
Browser	IE: IE 7 and later versions; Chrome; Firefox; Safari
Management Software	Smart PSS;DMSS;Player;ConfigTool;NVR;Smart Player
Mobile Client	iOS;Android

Function

Abnormal Sound Alarm	Yes

Certification

Certifications	EN 62368-1;EN 55032;EN 61000-3-3;EN IEC 61000-3-2;EN 50130-4;EN 55035;

Port

Audio Input	1 channel (built-in mic)
Audio Output	1 channel (built-in speaker)
Alarm Linkage	Capture; preset; recording; audio; sending email
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection;

Power

Power Supply	12 VDC, 1.0 A ± 10% PoE (802.3af)
Power Consumption	12 VDC, 1.0 A ± 10%: Basic: 3 W; Max: 11 W (illuminator+speaker+PTZ operation) PoE (802.3af) Basic: 4 W; Max: 12 W (illuminator+speaker+PTZ operation)
Power Adapter	Optional

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +122 °F)
Operating Humidity	≤95%
Protection	IP66;TVS 2000 V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	128.4 mm × Φ127.3 mm (5.06" × Φ5.01")
Net Weight	0.41 kg (0.9 lb)
Gross Weight	0.5 kg (1.1 lb)

Accessories

Optional:



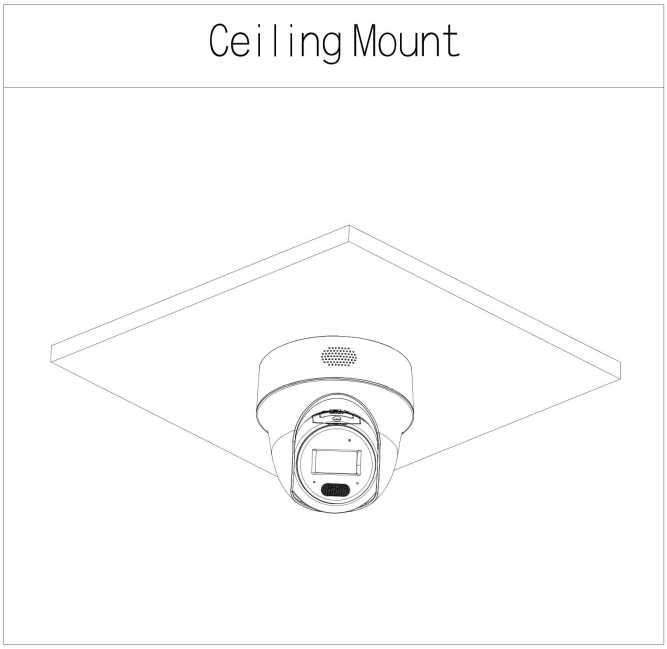
DH-PFM320D-EN
DC12V2A power adapter



DH-PFM321-EN
DC12V1A power adapter



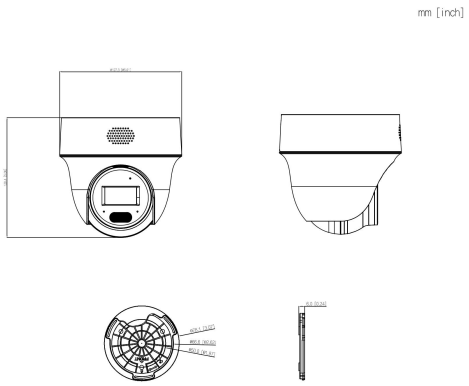
PFM900-E
Integrated Mount Tester



Ordering Information

Type	Model	Description
IP CAMERA	DH-IPC-PT1239H-PV	2MP Smart Dual Light Active Deterrence Network PT Camera
Accessories (Optional)	DH-PFM321-EN	DC12V1A power adapter
	DH-PFM320D-EN	DC12V2A power adapter
	PFM900-E	Integrated Mount Tester

Dimensions (mm[inch])



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