

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 enabled) 30 m (98.43 ft) (IR + warm light-only IR is enabled) |
| 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 |

| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
|---------------|--------|------------------------|-----------------------|----------------------|-----------------------|
| | 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;home position(only supports setting on DMSS) |
| PTZ Locked | YES |

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 | supports importing custom voice content;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 | 2 streams |
| 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° |
| Privacy Masking | 4 area |
| 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 +131 °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) |
| Filter | |
| Remarks | * The precision of the presets for PTZ cameras might vary depending on different series. For scenes with high requirements on the precision, contact your local sales representative for assistance with selecting the model |

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])

mm [inch]

