

# DH-HAC-ME1500C

## 5MP HDCVI Active Deterrence Camera

### HDCVI



- Max 20fps@5MP
- HD and SD output switchable
- 2.8mm fixed lens (3.6mm optional)
- Max. IR length 20m, Smart IR
- Built-in PIR, 14±1m/110° detecting range/angle
- Active deterrence with white light & siren
- IP67, DC12V



### System Overview

This PIR model is an indoor/outdoor dual detection camera which uses both video and infrared sensor to achieve accurate motion detection functionality. It also supports active deterrence feature which warns off intruders with white light and siren even before users are aware of the incident. This camera is an ideal choice for applications which require intrusion protect and video verification, such as courtyards, offices, warehouses, stores, etc.

### Functions

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio\*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

\* Audio input is available for some models of HDCVI cameras.

#### Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 5MP HD video via coaxial cable, and up to 300m via UTP cable.\*

\*Actual results verified by real-scene testing in Dahua's test laboratory.

#### Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

#### Dual Detection

The detection accuracy is well guaranteed with both motion detection and PIR detection, which can eliminate the number of false alarms you receive. With the advantage of dual detection technology, your HDD will now last longer and not be recorded with false alarms. Gone are the days of alarms caused by heavy wind or rain. Instead, only true threats will instantly trigger an alarm and allow you to protect your loved ones.

#### Active Deterrence

Active deterrence is to warn off intruders actively with white light and siren even before users are aware of the incidence. Once an intrusion is detected, the white light will turn on and the siren will buzz to alert the intruder. The white light can be set to Normally on or Flash, the content of siren is configurable.

#### Smart IR

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

#### Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67, making it suitable for indoor or outdoor environments.

With PIR working temperature range of -20 °C to +60 °C (-4 °F to +140 °F), the MotionEye is designed for extreme temperature environments.

Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

| Technical Specification  |                                                 |
|--------------------------|-------------------------------------------------|
| Camera                   |                                                 |
| Image Sensor             | 1/2.7" CMOS                                     |
| Effective Pixels         | 2592(H)×1944(V), 5MP                            |
| Scanning System          | Progressive                                     |
| Electronic Shutter Speed | PAL: 1/25s~1/100,000s<br>NTSC: 1/30s~1/100,000s |
| Minimum Illumination     | 0.02Lux/F1.85, 30IRE, 0Lux IR on                |
| S/N Ratio                | More than 65dB                                  |
| IR Distance              | Up to 20m (66feet)                              |
| IR On/Off Control        | Auto / Manual                                   |
| IR LEDs                  | 1                                               |

|                      |                                  |
|----------------------|----------------------------------|
| Lens                 |                                  |
| Lens Type            | Fixed lens / Fixed iris          |
| Mount Type           | Board-in                         |
| Focal Length         | 2.8mm (3.6mm Optional)           |
| Max Aperture         | F1.85                            |
| Angle of View        | H: 92° (77.5°)<br>V: 69° (56.5°) |
| Focus Control        | N/A                              |
| Close Focus Distance | 800mm(1400mm)<br>31"(55")        |

DORI Distance

|                                                                                                                                                                                                                                                                                                                              |                   |                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------|
| Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively. |                   |                                        |
|                                                                                                                                                                                                                                                                                                                              | DORI Definition   | Distance                               |
| Detect                                                                                                                                                                                                                                                                                                                       | 25px/m (8px/ft)   | 2.8mm: 56m(184ft)<br>3.6mm: 80m(262ft) |
| Observe                                                                                                                                                                                                                                                                                                                      | 63px/m (19px/ft)  | 2.8mm: 22m(73ft)<br>3.6mm: 32m(105ft)  |
| Recognize                                                                                                                                                                                                                                                                                                                    | 125px/m (38px/ft) | 2.8mm: 11m(37ft)<br>3.6mm: 16m(52ft)   |
| Identify                                                                                                                                                                                                                                                                                                                     | 250ppm (76px/ft)  | 2.8mm: 6m(18ft)<br>3.6mm: 8m(26ft)     |

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Pan / Tilt / Rotation |                                                         |
| Pan/Tilt/Rotation     | Pan: 0° ~ 360°<br>Tilt: 0° ~ 90°<br>Rotation: 0° ~ 360° |

|              |                                                                             |
|--------------|-----------------------------------------------------------------------------|
| Video        |                                                                             |
| Resolution   | 5MP (2592×1944)                                                             |
| Frame Rate   | 20fps@5MP, 25/30fps@4MP, 25/30fps@1080P                                     |
| Video Output | 1-channel BNC high definition video output / CVBS video output (DIP switch) |
| Day/Night    | Auto (ICR) / Manual                                                         |

|                 |                  |
|-----------------|------------------|
| OSD Menu        | Multi-language   |
| BLC Mode        | BLC / HLC / DWDR |
| WDR             | DWDR             |
| Gain Control    | AGC              |
| Noise Reduction | 2D               |
| White Balance   | Auto / Manual    |
| Smart IR        | Auto / Manual    |

|                     |                                       |
|---------------------|---------------------------------------|
| PIR                 |                                       |
| Detection           | Passive infrared                      |
| Detection Range     | Max. 14±1m, 110°                      |
| Alarm prompt        | White light & Siren                   |
| Installation height | Default bracket, wall mount, 2.2-2.5m |

|                |                                                                                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Certifications | CE (EN55032, EN55024, EN50130-4)<br>FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)<br>UL (UL60950-1+CAN/CSA C22.2 No.60950-1) |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------|

|                 |    |
|-----------------|----|
| Interface       |    |
| Audio Interface | NA |

|                   |                          |
|-------------------|--------------------------|
| Eelectrical       |                          |
| Power Supply      | 12V DC ±30%              |
| Power Consumption | Max 4.2W (12V DC, IR on) |

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Environmental                         |                                                                                                    |
| Operating Conditions                  | -20°C ~ +60°C (-4°F ~ +140°F) / Less than 95% RH<br>* Start up should be done at above-20°C (-4°F) |
| Storage Conditions                    | -20°C ~ +60°C (-4°F ~ +140°F) / Less than 95% RH                                                   |
| Ingress Protection &Vandal Resistance | IP67                                                                                               |

|              |                                            |
|--------------|--------------------------------------------|
| Construction |                                            |
| Casing       | Plastic (Body) + Aluminium (Bracket)       |
| Dimensions   | 144.7mm×76.7mm×146.4mm (5.70"×3.02"×5.76") |
| Net Weight   | 0.41kg (0.90lb)                            |
| Gross Weight | 0.55kg (1.21lb)                            |

## Ordering Information

| Type        | Part Number           | Description                                              |
|-------------|-----------------------|----------------------------------------------------------|
| 5MP Camera  | DH-HAC-ME1500CP 2.8mm | 5MP HDCVI Active Deterrence Camera, PAL                  |
|             | DH-HAC-ME1500CP 3.6mm |                                                          |
|             | DH-HAC-ME1500CN 2.8mm | 5MP HDCVI Active Deterrence Camera, NTSC                 |
|             | DH-HAC-ME1500CN 3.6mm |                                                          |
| Accessories | PFA134                | Junction box (For use alone or with PFA152-E pole mount) |
|             | PFA152-E              | Pole mount (For use with PFA134 junction box)            |
|             | PFM800-E              | Passive HDCVI Balun                                      |
|             | PFM800-4K             | Passive Video Balun                                      |
|             | PFM800B-4K            | Passive Video Balun                                      |
|             | PFM321                | 12V 1A Power Adapter                                     |
|             | PFM320D-015           | 12V 1.5A Power Adapter                                   |
|             | PFM300                | 12V 2A Power Adapter                                     |

## Accessories

Optional:



PFA134  
Junction box



PFA152-E  
Pole mount



PFM800-E  
Passive HDCVI Balun



PFM800-4K  
Passive Video Balun



PFM800B-4K  
Passive Video Balun



PFM321  
12V 1A Power  
Adapter



PFM320D-015  
Power Adapter



PFM300  
Power Adapter

