DH-HAC-ME1500E-LED
5MP HDCVI Active Deterrence Camera

HDCVI

· Max 20fps@5MP
· HD and SD output switchable
· 2.8mm/3.6mm fixed lens
· 10m/110°detecting range/angle
· Max. IR length 20m, Smart IR
· IP67, DC12V

Active Deterrence | PIR | 5Mp | 20m IR | DC 12V | IP67

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 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 ana-log 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 even before users are aware of the incidence. Once an intursion is detected, the white light will turn on to alert the intruder. The white light can be set to Normally on or Flash.

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.

Broadcast-quality Audio
Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

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 -10 °C to +50 °C (14 °F to +122 °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: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.02Lux/F2.0(Color), 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	F2.0
Angle of View	H: 99° (77.5°) V: 72° (56.5°)
Focus Control	N/A
Close Focus Distance	800mm(1400mm) 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) 3.6mm: 80m(262ft)
Observe	63px/m (19px/ft)	2.8mm: 22m(73ft) 3.6mm: 32m(105ft)
Recognize	125px/m (38px/ft)	2.8mm: 11m(37ft) 3.6mm: 16m(52ft)
Identify	250ppm (76px/ft)	2.8mm: 6m(18ft) 3.6mm: 8m(26ft)

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° 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 (Can 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	10m, 110°
Alarm Prompt	White light
White Light Mode	Alert / Lighting
Installation height	Defualt bracket, wall mount, 2.2-3m

Certifications

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

Interface

Audio Interface	N/A

Eelectrical

Power Supply	12V DC ±30%
Power Consumption	Max 4.6W (12V DC, IR on)

Environmental

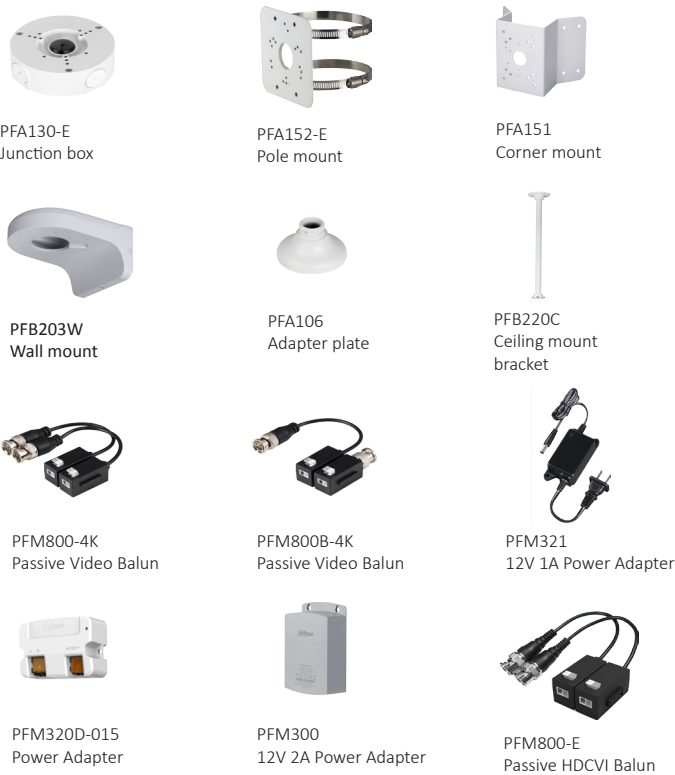|	
Operating Conditions	-10°C ~ +50°C (+14°F ~ +122°F) / Less than 95% RH * Start up should be done at above-10°C (14°F)
Storage Conditions	-10°C ~ +50°C (+14°F ~ +122°F) / Less than 95% RH
Ingress Protection &Vandal Resistance	IP67

Construction

Casing	Aluminium (Inner Core) + Plastic (Cover)
Dimensions	Φ110mm×96.1mm(Φ4.33"×3.78")
Net Weight	0.28kg (0.61lb)
Gross Weight	0.35kg (0.77lb)

Ordering Information

Type	Part Number	Description
5MP Camera	DH-HAC-ME1500EP-LED 2.8mm	5MP HDCVI Active Deterrence Camera, PAL
	DH-HAC-ME1500EN-LED 2.8mm	5MP HDCVI Active Deterrence Camera, NTSC
	DH-HAC-ME1500EP-LED 3.6mm	5MP HDCVI Active Deterrence Camera, PAL
	DH-HAC-ME1500EN-LED 3.6mm	5MP HDCVI Active Deterrence Camera, NTSC
Accessories	PFA130-E	Junction box (For use alone)
	PFA152-E	Pole mount (For use with PFB203W wall mount)
	PFA151	Corner mount (For use with PFB203W wall mount)
	PFA203W	Wall mount (For use alone or with PFA152-E pole mount or with PFA151 corner mount)
	PFA106	Ceiling mount (For use with PFB220C ceiling mount)
	PFB220C	Ceiling mount (For use with PFA106 ceiling mount)
	PFM800-E	Passive HDCVI Balun
	PFM800-4MP	Passive HDCVI Balun
	PFM801-4MP	Passive HDCVI Balun with Power
	PFM321	12V 1A Power Adapter
	PFM320D-015	12V 1.5A Power Adapter

Accessories

Optional:

PFA130-E
Junction box

PFA152-E
Pole mount

PFA151
Corner mount

PFB203W
Wall mount

PFA106
Adapter plate

PFB220C
Ceiling mount bracket

PFM800-4K
Passive Video Balun

PFM800B-4K
Passive Video Balun

PFM321
12V 1A Power Adapter

PFM320D-015
Power Adapter

PFM300
12V 2A Power Adapter

PFM800-E
Passive HDCVI Balun

Junction Mount	Pole Mount
PFA130-E	PFB203W + PFA152-E

Wall Mount	
PFB203W	

	Pole Mount with Rain Shade
	PFA106 + PFB220C

Wall Mount with Rain Shade	
PFB203W+PFA151	

Dimensions (mm/inch)

96.1 [3.78"]

21 °

⌀110.0 [⌀4.33"]

⌀84.0 [⌀3.31"]

5-⌀4.5 [⌀0.18"]

dahua
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