DAHUA TECHNOLOGY

DH-HAC-ME1509B-LS
5MP HDCVI Full-Color Active Deterrence Fixed Bullet Camera

Full-Color

· 24/7 color imaging

· Active deterrence with siren

· Built-in PIR, 10 m/110° detecting range/angle

· Max. 20 fps@5MP

· 2.8 mm fixed lens (3.6 mm optional)

· 40 m illumination distance

· IP67, 12V±30% DC

Full-color | Active Deterrence | PIR | 5Mp | 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 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.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, such as 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 700 m transmission for 5MP HD video overcoaxial cable, and up to 300 m over 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.

Active Deterrence

Active deterrence is to warn off intruders actively with siren even before users are aware of the incidence. Once an intrusion is detected, the siren will buzzer to alert the intruder. The content of siren is configurable.

Full-color

The camera adopts F1.2 large aperture lens and 1/2.7" high performance sensor. With higher amount of absorbed light and advanced image processing algorithm, the camera can be able to present 24/7 colored image that provides color details to accurately identify people or objects in low light conditons.

Warm Supplemental lights

With two warm supplemental LED lights, the camera is able to provide a colorful and vivid image even in total darkness. It also provides visible by default, the camera is set to smart light mode, in which the camera can automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposure of the objects in the image center. Also, the sensitivity and intensity of the LED lights can be remotely controlled by OSD menu.

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
Max. Resolution	2592 (H) × 1944 (V)
Pixel	5MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s
S/N Ratio	>65 dB
Min. Illumination	0.005 Lux/F1.2, 0 Lux warm light on
Illumination Distance	40 m (131.2 ft)
Illumination Type	Warm light
Illuminator On/Off Control	Auto; manual
Illuminator Number	2 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8 mm; 3.6 mm
Max. Aperture	2.8 mm: F1.2 3.6 mm: F1.2
Field of View	2.8 mm: H: 98°; V: 71°; D: 129° 3.6 mm: H: 83°; V: 60°; D: 112°
Iris Type	Fixed iris
Close Focus Distance	2.8 mm: 1.6 m (5.25 ft) 3.6 mm: 1.9 m (6.23 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	67.4 m (221.1 ft)	27 m (88.6 ft)	13.5 m (44.3 ft)	6.7 m (22.0 ft)
	3.6 mm	77.8 m (255.3 ft)	31.1 m (102.0 ft)	15.6 m (51.2 ft)	7.8 m (25.6 ft)

Video

Frame Rate	CVI: 5M@20 fps, 4M@25 fps/30 fps, 1080p@25 fps/30 fps; AHD: 5M@20 fps; TVI: 5M@20 fps; CVBS: 960H
Resolution	5M (2592 × 1944); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
BLC Mode	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto/Manual
Gain Control	Auto/Manual

Noise Reduction	2D
Smart Light	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 Area, Rectangle)

Certifications

Certifications	CE (EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1) IEC 62368-1:2014 (Second Edition)

Port

Video Output	1 BNC output Support CVI/TVI/AHD/CVBS

Power

Power Supply	12V ±30% DC
Power Consumption	Max 7.0W (12V DC, warm light on)

PIR Parameters

Detection Component	Pyroelectric infrared sensor
Detection Range	10 m (32.8 ft), 110°
Recommended Installation Height	2.2 m–3 m (7.2 ft–9.8 ft)
Recommended Environment Temperature for PIR	−10°C to 50°C (14°F to 122°F)

Active Deterrence Parameters

Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s–30 s; 110 dB

Environment

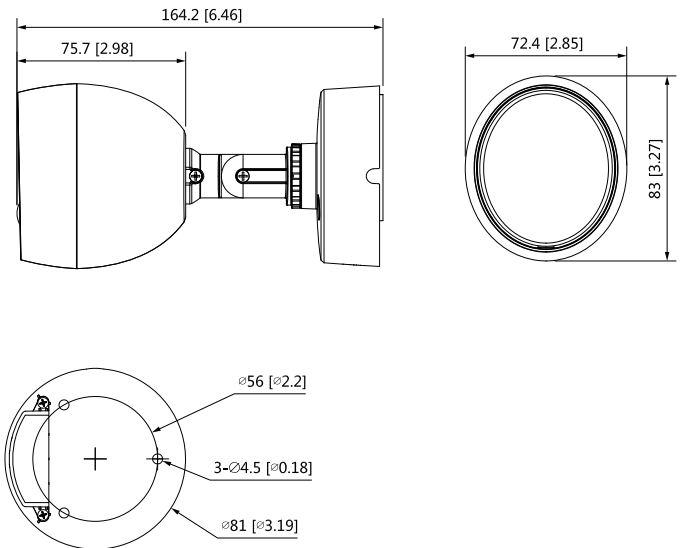|	
Operating Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Storage Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Ingress Protection	IP67

Structure

Casing	Cover: Metal Rear: Plastic
Camera Dimensions	164.2 mm × 83 mm × 72.4 mm (6.46" × 3.27" × 2.85")
Net Weight	0.27 kg (0.60 lb)
Gross Weight	0.39 kg (0.85 lb)

Ordering Information

Type	Part Number	Description
5M Camera	DH-HAC-ME1509BP-LS	5MP HDCVI Full-Color Active Deterrence Fixed Bullet Camera, PAL
	DH-HAC-ME1509BN-LS	5MP HDCVI Full-Color Active Deterrence Fixed Bullet Camera, NTSC
Accessories	PFA134	Junction Box
	PFA130-E	IP66 Junction Box
	PFA152-E	Pole Mount Bracket
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester
	PFM800-4K	1-CH Passive Video Balun

Dimensions (mm[inch])

Accessories

Optional:

PFA134
Junction Box

PFA130-E
IP66 Junction Box

PFA152-E
Pole Mount Bracket

PFM321D
12V 1A Power Adapter

PFM904
Integrated Mount Tester

PFM800-4K
1-CH Passive Video Balun

| Ceiling Mount | Junction Mount | Pole Mount(Vertical) |