DAHUA TECHNOLOGY

DH-HAC-ME1509H-A-PV-POC
5MP HDCVI Full-Color Active Deterrence Fixed Eyeball Camera

· 24/7 color imaging

· Active deterrence with red blue light,

   siren and alarm out interface

· Built-in mic

· Max. 20 fps@5MP

· 2.8 mm fixed lens (3.6 mm optional)

· 40 m illumination distance

· IP67, POC (only CVI)/12V±30% DC

Full-color	Active Deterrence	5Mp	DC 12V	IP67	Audio

System Overview

This model supports active deterrence feature which warns off intruders with red blue light and siren even before users are aware of the incident. It is able to alert intruder accurately by SMD Plus or Perimeter Protection of XVR. Besides, this model is a PoC camera which can be powered by PoC XVR over a single coaxial cable with video, requiring no separate power supplies. PoC reduces time and cost for users, making it an ideal choice for applications with complex deployment but a tight budget.

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 red blue light and siren even before users are aware of the incidence. Once an intrusion is detected, the red blue light will flash and 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.
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°–78° 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)

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	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) IEC 62368-1:2014 (Second Edition)

Port

Video Output	1 BNC output Support CVI/TVI/AHD/CVBS
Audio Input	Built-in mic
Alarm out	1ch alarm out

Active Deterrence

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

Power

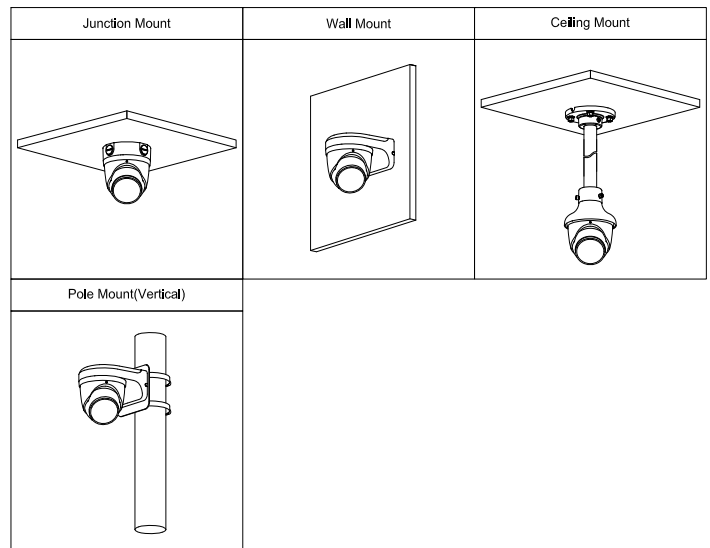|	
Power Supply	POC (only CVI)/12V±30% DC
Power Consumption	Max 7.7W (12V DC, warm light on) PoC(AT)

Environment

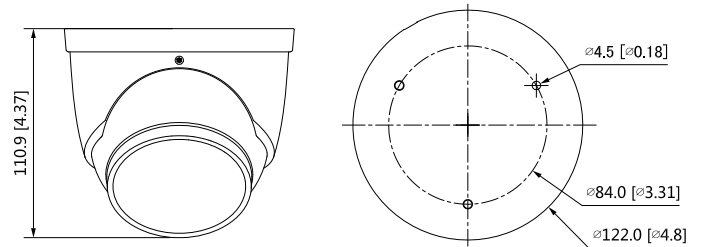|	
Operating Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Storage Temperature	−40°C to +60°C (−40°F to 140°F); <95% (non-condensation)
Ingress Protection	IP67

Structure

Casing	Metal
Camera Dimensions	Φ122.0 mm × 110.9 mm (Φ4.8" × 4.37")
Net Weight	0.72 kg (1.59 lb)
Gross Weight	0.98 kg (2.16 lb)

Ordering Information

Type	Part Number	Description
5M Camera	DH-HAC-ME1509HP-A-PV-POC	5MP HDCVI Full-Color Active Deterrence Fixed Eyeball Camera, PAL
	DH-HAC-ME1509HP-A-PV-POC	5MP HDCVI Full-Color Active Deterrence Fixed Eyeball Camera, NTSC
Accessories	PFA137	Junction Box
	PFA130-E	IP66 Junction Box
	PFB203W	Wall Mount Bracket
	PFA152-E	Pole Mount Bracket
	PFB220C	Ceiling Mount
	PFA106	Mount Adapter
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester
	DH-ARA11	Indoor Siren
	DH-ARA16	Outdoor Siren

Junction Mount	Wall Mount	Ceiling Mount

Pole Mount(Vertical)

Accessories

Optional:

PFA137
Junction Box

PFA130-E
IP66 Junction Box

PFB203W
Wall Mount Bracket

PFA152-E
Pole Mount Bracket

PFB220C
Ceiling Mount

PFA106
Mount Adapter

PFM321D
12V 1A Power Adapter

PFM904
Integrated Mount Tester

DH-ARA11
Indoor Siren

DH-ARA16
Outdoor Siren

Dimensions (mm[inch])

110.9 [4.37]

⌀4.5 [⌀0.18]

⌀84.0 [⌀3.31]

⌀122.0 [⌀4.8]