

DH-HAC-ME1509H-A-PV

5MP Smart Dual Light Active Deterrence HDCVI Eyeball Camera



System Overview

The Active Deterrence Series offers a multi-dimensional system that links surveillance videos to alarms, audio prompts and various types of information to assist with verifying potential risks. Cameras in this series actively warn off intruders with light and sound, while keeping you up to date of events in real-time through alarm-over-coax and its live view.

Functions

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR illuminator to significantly reduce light pollution.

Protection Against Red-Blue Light Interference

Leveraging smart exposure technology, the camera uses the CMOS image sensor to exercise time-sharing control over image capture and the red and blue lights to eliminate interference by switching off the lights when pictures are being taken.

Active Deterrence(Red-blue Light)

Designed with active deterrence technology, the camera turns on a siren and a red-blue light that flashes in intervals to deter and warn off intruders. The siren has customizable settings.

Wide Dynamic Range

With its advanced Wide Dynamic Range technology (WDR), the camera captures highly detailed images and produces high-definition recordings in high-contrast lighting conditions, and in scenes with backlighting or shadows.

- * The parameters and datasheets below can only be applied to ME1509-S2 series.Intelligent Voice Alarm function which can be used with Scheduled AI of AI XVR is only available for TiOC 2.0 camera.
- * In order to use the 5MP 16:9 and the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.000004.1.R.220323 or later version.
- · Max 25 fps@5 MP (16:9 video output).
- 120 dB true WDR, 3D NR.
- · Smart Dual Light.
- · Protection Against Red-Blue Light Interference.
- · Active deterrence with red blue light, siren and alarm out interface.
- 40 m illumination distance.
- · Super Adapt.
- · Built-in MIC.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.















Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Protection (IP67, Wide Voltage)

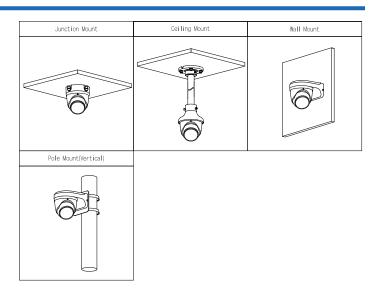
IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

Technical Specification								5M (2880 × 1620); 4M (2560 × 1440);
Camera							Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Pixel		5MP					Day/Night	Auto (ICR)/Color/B/W
Image Sensor		5MP CMOS					BLC	BLC; HLC; WDR; HLC-Pro
Max. Resolution		2880 (H) × 1620 (V)					WDR	120dB
Scanning System		Progressive					White Balance	Auto; Area white balance
Electronic Shutter Speed		PAL: 1/3 s-1/100000 s NTSC: 1/4 s-1/100000 s					Gain Control	Auto; manual
Min Illumin	Min Illinois eties		0.001 lux@F1.0 (Color, 30 IRE)				Noise Reduction	3D NR
IVIIII. IIIGIIIIII	Min. Illumination		0.0001 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Illumination Mode	Smart IR&WL WL Mode; IR Mode
S/N Ratio		>65dB					Defog	Electronic defog
Illumination	Illumination Distance		IR: 40 m (131.23 ft) Warm light: 40 m (131.23 ft)				Digital Zoom	4×
Illuminator (Illuminator On/Off Control						Mirror	Yes
Illuminator I	Illuminator Number						Privacy Masking	Off/On (8 areas, rectangle)
illullillatori			2 (Warm light)				Active Deterrence	
Pan/Tilt/Ro	Pan/Tilt/Rotation Range		360°				Sound Warning	Audio 1: Alarm Audio 2: No parking here Audio 3: Private land no entry. Audio 4: Warning zone keep off
Lens Type			Fixed-focal				ocana waning	Audio 5: Welcome Volume: high/medium/low; duration: 5 s–60 s; 110 dB
Lens Mount	Lens Mount		M12				Red/Blue Light Warning	Flash: 5 s–60 s; frequency: high/medium/low
Focal Length	Focal Length		2.8 mm; 3.6 mm				Certification	
Max. Apertu	Max. Aperture		F1.0				Certifications	CE (EN55032:2015, EN61000-3-2: 2014, EN61000-3-3: 2013, EN55024: 2010+A1: 2015, EN55035: 2017, EN50130-4: 2011+A1: 2014, EN62368-1: 2014+A11: 2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)
Field of View		2.8 mm: H: 111°; V: 57°; D: 131° 3.6 mm: H: 89°; V: 47°; D: 104°						
Iris Control		Fixed					D 1	UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
Close Focus Distance		2.8 mm: 2 m (6.56 ft) 3.6 mm: 2.2 m (7.22 ft)					Port	Video output choices of CVI/TVI/AHD/CVBS by one BNC
	Lens	Detect	Observe	Recognize	Identify		Video Output	port
	2.8 mm	66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)		Audio Input	One channel built-in MIC
505	3.6 mm	78.0 m	31.2 m (102.36 ft)	15.6 m	7.8 m		Alarm Output	1 channel
DORI Distance	*DORI (Detec	(255.91 ft) (102.36 ft) (51.18 ft) (25.59 ft) (Detect, Observe, Recognize, Identify) is a standard system					Power	
	(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						Power Supply	12 VDC \pm 30% (It is recommended to use a power adapter to supply the power for one camera)
		r intelligent function distances, refer to installation ioning manual/project design tool.					Power Consumption	Max. 10.5 W (12 VDC, LED on)
Video							Environment	
Video Frame Rate		CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps; AHD: PAL: 4M@25 fps;					Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
							Operating Humidity	<95% (RH), non-condensing
		NTSC: 4M@30 fps; TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps;					Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
							Protection	IP67
		CVBS: PAL: 960H;					Structure	
		NTSC: 960H					Casing Material	Metal

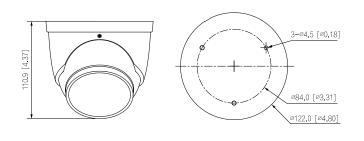
Active Deterrence Series | DH-HAC-ME1509H-A-PV

Product Dimensions	Φ122.0 mm × 110.9 mm (Φ4.80" × 4.37")		
Packaging Dimensions	165 mm × 165 mm × 138 mm (6.50" × 6.50" × 5.43")		
Net Weight	0.7 kg (1.54 lb)		
Gross Weight	0.96 kg (2.12 lb)		
Installation	Wall mount; ceiling mount; vertical pole mount		

Ordering Information							
Туре	Model	Description					
	DH-HAC-ME1509HP- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Eyeball Camera, PAL					
5MP Camera	DH-HAC-ME1509HN- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Eyeball Camera, NTSC					
	PFA130-E	Junction Mount					
	PFB203W	Wall Mount (For use alone or with PFA152-E)					
	PFA152-E	Pole Mount Bracket (For use with PFB203W)					
Accessories (Optional)	PFM320D	12V 2A Power Adapter					
(Optional)	PFM904	Integrated Mount Tester					
	PFM800-4K	1-CH Passive Video Balun					
	ARA11	Indoor Siren					
	ARA16	Outdoor Siren					



Dimensions (mm[inch])



Accessories

Optional:







PFA130-E Junction Mount

PFB203W PFA152-E
Wall Mount (For use alone Pole Mount Bracket (For use or with PFA152-E) with PFB203W)



PFM320D 12V 2A Power Adapter



PFM904 Integrated Mount Tester



PFM800-4K 1-CH Passive Video Balun



ARA11 Indoor Siren



ARA16 Outdoor Siren