

DH-HAC-ME1509TQ-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.

Broadcast-quality Audio

- * 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 5 MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 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.
- · Quick-to-install eyeball saves installation time.















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.

Easy Installation

HDCVI quick-to-install eyeball adopts quick-to-install pedestal, which can achieve easier installation than conventional eyeball. Quick-to-install camera reduces time and labor costs.

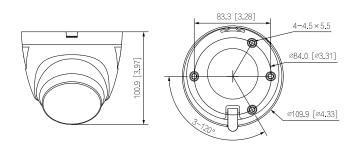
Technical Specification							WDR	120dB
Camera							White Balance	Auto; Area white balance
Pixel		5 MP					Gain Control	Auto; manual
Image Sensor		5 MP CMOS					Noise Reduction	3D NR
Max. Resolution		2880 (H) × 1620 (V)					Illumination Mode	Smart IR&WL WL Mode; IR Mode
Scanning System		Progressive					Defog	Electronic defog
Electronic Shutter Speed		PAL: 1/3 s-1/100000 s NTSC: 1/4 s-1/100000 s					Digital Zoom	4×
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)					Mirror Privacy Masking	Yes Off/On (8 areas, rectangle)
S/N Ratio		>65 dB					Active Deterrence	e., e., (e. a. e.a., . e. e.a., g.e.)
Illumination Distance		IR: 40 m (131.23 ft)					Sound Warning	Audio 1: Alarm Audio 2: No parking here Audio 3: Private land no entry. Audio 4: Warning zone keep off Audio 5: Welcome Volume: high/medium/low;
		Warm light: 40 m (131.23 ft)						
Illuminator On/Off Control Illuminator Number		Auto; manual 2 (IR light)						
munimator Number		2 (Warm light)					Red/Blue Light Warning	duration: 5 s–60 s; 110 dB Flash: 5 s–60 s; frequency: high/medium/low
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78°					Certification	Fiash. 3 5—00 s, frequency. fighthredulinflow
Long		Rotation: 0°–360°					Certification	CE (EN55032:2015, EN61000-3-2:2014, EN61000-
Lens Type		Fixed-focal					Certifications	3-3:2013, EN55024:2010-3-2:2014, EN500100-3-2:2014, EN500100-3-3:2013, 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)
Lens Mount		M12						UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
Focal Length		2.8 mm; 3.6 mm					Port	
Max. Aperture		F1.0					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Field of View		2.8 mm: H: 111°; V: 57°; D: 131° 3.6 mm: H: 89°; V: 47°; D: 104°					Audio Input	One channel built-in MIC
Iris Control		Fixed					Alarm Output	1 channel
Close Focus Distance		2.8 mm: 1.5 m (4.92 ft) 3.6 mm: 2.2 m (7.22 ft)					Power	
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Power Supply	12 VDC \pm 30% (It is recommended to use a power adapter to supply the power for one camera)
	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)		Power Consumption	Max. 10.5 W (12 VDC, LED on)
	3.6 mm	78.0 m (255.91 ft)	31.2 m (102.36 ft)	15.6 m (51.18 ft)	7.8 m (25.59 ft)		Environment	
Video							Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
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; NTSC: 4M@30 fps; TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps; CVBS: PAL: 960H; NTSC: 960H					Operating Humidity	<95% (RH), non-condensing
							Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
							Protection	IP67
							Structure	
							Casing Material	Dome (metal + plastic) + plastic enclosure
		NTSC: 960H 5M (2880 × 1620);					Product Dimensions	Φ109.9 mm × 100.9 mm (Φ4.33" × 3.97")
Resolution		4M (2560 × 1440); 1080р (1920 × 1080); 960H (960 × 576/960 × 480)					Packaging Dimensions	148 mm ×139 mm ×137 mm(5.83" × 5.47" × 5.39")
							Net Weight	0.35 kg (0.77lb)
Day/Night		Auto (ICR)/Color/B/W					Gross Weight	0.53 kg (1.17 lb)
BLC		BLC; HLC; WDR; HLC-Pro					Installation	Wall mount; ceiling mount; vertical pole mount

Active Deterrence Series | DH-HAC-ME1509TQ-A-PV

Ordering Information							
Туре	Part Number	Description					
5MP Camera	DH-HAC-ME1509TQP- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Eyeball Camera, PAL					
SIVIP Calliela	DH-HAC-ME1509TQN- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Eyeball Camera, NTSC					
	PFA13G	Junction Mount					
	PFB205W	Wall Mount Bracket (For use alone or with PFA152-E)					
	PFA152-E	Pole Mount Bracket (For use with PFB205W)					
	PFA109	Ceiling Mount (For use alone or with PFB220C)					
Accessories (Optional)	PFB220C	Ceiling Mount (For use alone or with PFA109)					
	PFM320D	12V 2A Power Adapter					
	PFM904	Integrated Mount Tester					
	PFM800-4K	1-CH Passive Video Balun					
	ARA11	Indoor Siren					
	ARA16	Outdoor Siren					

Junction Mount Ceiling Mount Wall Mount Pole Mount(Vertical)

Dimensions (mm[inch])



Accessories

Optional:



PFA13G Junction Mount



PFB205W Wall Mount Bracket (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFB205W)



PFB220C Ceiling Mount (For use alone or with PFA109)



PFM320D 12V 2A Power Adapter



PFA109

Ceiling Mount
(For use alone or with

PFB220C)

PFM904 Integrated Mount Tester



PFM800-4K 1-CH Passive Video Balun



ARA11 Indoor Siren



ARA16 Outdoor Siren