

## DH-HAC-ME1509TH-A-PV

5MP Smart Dual Light Active Deterrence HDCVI Bullet 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 V4.001.0000004.1.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);
Camera		JN					Resolution	4M (2560 × 1440); 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. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE)					Noise Reduction	3D NR
S/N Ratio		0 lux (Illuminator on) >65 dB					Illumination Mode	Smart IR&WL WL Mode; IR Mode
•		IR: 40 m (131.23 ft)					Defog	Electronic defog
	Illumination Distance		Warm light: 40 m (131.23 ft)				Digital Zoom	4×
Illuminator C	Illuminator On/Off Control		Auto; manual				Mirror	Yes
Illuminator N	lumber	2 (IR light)					Privacy Masking	Off/On (8 areas, rectangle)
		2 (Warm light)					Active Deterrence	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–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						Audio 5: Welcome Volume: high/medium/low; duration: 5 s–60 s; 110 dB
Lens Mount		M12					Red/Blue Light Warning	Flash: 5 s–60 s; frequency: high/medium/low
Focal Length		2.8 mm; 3.6 mm					Certification	
Max. Apertu	Max. Aperture							CE (EN55032:2015, EN61000-3-2:2014, EN61000-
Field of View		2.8 mm: H: 111°; V: 57°; D: 131° 3.6 mm: H: 89°; V: 47°; D: 104°					Certifications	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) UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
Iris Control	Iris Control		Fixed				Port	01 (0102300 110, tty c3/102212 110.02300 1 11)
Close Focus Distance		2.8 mm: 2 m (6.56 ft) 3.6 mm: 2.2 m (7.22 ft)						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
	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)		Alarm Output	1 channel
DORI Distance	*DORI (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.						Power Supply	12 VDC ± 30% (It is recommended to use a power adapter to supply the power for one camera)
	distances. For	bers in this table do not reflect intelligent function s. For intelligent function distances, refer to installation					Power Consumption	Max 10.5W (12 VDC, LED on)
and commissioning manual/project design tool.						Environment		
Video Video Frame Rate		CVI:					Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
		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	Metal front cover + plastic rear barrel + metal bracket

### Active Deterrence Series | DH-HAC-ME1509TH-A-PV

Product Dimensions	240.7 mm × Φ90.7 mm (9.48" × Φ3.57")	
Packaging Dimensions	299 mm × 119 mm × 111 mm (11.77" × 4.69" × 4.37")	
Net Weight	0.48 kg (1.06 lb)	
Gross Weight	0.74 kg (1.63 lb)	
Installation	Wall mount; ceiling mount; vertical pole mount	

Ceiling Mount	Wall Mount	Pole Mount(Vertical)

Dimensions (mm[inch])

Ordering Information						
Туре	Model	Description				
5MP Camera	DH-HAC-ME1509THP- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Bullet Camera, PAL				
Sivir Calliela	DH-HAC-ME1509THN- A-PV	5MP Smart Dual Light Active Deterrence HDCVI Bullet Camera, NTSC				
	PFA130-E	Junction Box(For use alone or with PFA152-E)				
	PFA152-E	Pole Mount Bracket (For use with PFA130-E)				
Accessories	PFM320D	12V 2A Power Adapter				
(Optional)	PFM800-4K	1-CH Passive Video Balun				
	ARA11	Indoor Siren				
	ARA16	Outdoor Siren				
	PFM904	Integrated Mount Tester				

# 240.7 [9.48] 90.7 [3.57] 80.2 [3.16] 90.7 [6.56] 90.7 [6.56]

3-**ø**4.7 [**ø**0.19]

#### Accessories

#### Optional:



PFA130-E Junction Box (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFA130-E)



PFM320D 12V 2A Power Adapter



PFM800-4K 1-CH Passive Video Balun



ARA11 Indoor Siren



ARA16 Outdoor Siren



PFM904 Integrated Mount Tester