

DH-HAC-ME1239TH-A-PV

2MP Smart Dual Light Active Deterrence HDCVI Bullet Camera



* The parameters and datasheets below can only be applied to 1239-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 Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.

- Active deterrence with red blue light, siren and alarm out interface.
- Max. 30 fps@1080p.
- 130 dB true WDR, 3D NR.
- Smart Dual Light.
- 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.



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 light to significantly reduce light pollution.

Active Deterrence

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

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.

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.

Super Adapt

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

Protection

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						
Camera						
Pixel	2 MP					
Image Sensor	2 MP CMOS					
Max. Resolution	1920 (H) × 1080 (V)					
Scanning System	Progressive					
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s					
Min. Illumination	0.001 lux@F1.6 (Color, 30 IRE) 0.0001 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)					
S/N Ratio	>65 dB					
Illumination Distance	IR: 40 m (131.23 ft) Warm light: 40 m (131.23 ft)					
Illuminator On/Off Control	Auto/Manual					
Illuminator Number	2 (IR light) 2 (Warm light)					
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°					
Lens						
Lens Type	Fixed-focal					
Lens Mount	M12					
Focal Length	2.8 mm 3.6 mm					
Max. Aperture	F1.6					
Field of View	2.8 mm: H: 108°; V: 58°; D: 127° 3.6 mm: H: 86°; V: 46°; D: 101°					
Iris Control	Fixed					
Close Focus Distance	2.8 mm: 0.7 m (2.29 ft) 3.6 mm: 1.1 m (3.61 ft)					
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	2.8 mm	42.2 m (138.45 ft)	16.9 m (55.45 ft)	8.4 m (27.56 ft)	4.2 m (13.78 ft)	
	3.6 mm	53.7 m (176.18 ft)	21.5 m (70.54 ft)	10.7 m (35.10 ft)	5.4 m (17.72 ft)	
Video						
Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: 960 × 576H; NTSC: 960 × 480H					
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)					
Day/Night	Auto (ICR)/Color/B/W					
BLC	BLC; HLC; WDR					
WDR	130 dB					
White Balance	Auto; Area white balance					

Gain Control	Auto/Manual
Noise Reduction	3D NR
Smart Illumination	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 areas, rectangle)
Illuminator	Smart IR&WL; WL Mode; IR Mode
Active Deterrence	
Sound Warning	Audio1: alarm Audio2: No parking here Audio3: Private land no entry. Audio4: Warning zone keep off Audio5: Welcome Volume: high/medium/low; duration: 5 s–60 s; 110 dB
Red/Blue Light Warning	Flash: 5 s–60 s; frequency: high/medium/low
Certification	
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) UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Audio Input	One channel built-in MIC (-A)
Power	
Power Supply	12 VDC ± 30% (It is recommended to use a power adapter to supply the power for one camera)
Power Consumption	Max 7.6 W (12 VDC, IR on)
Environment	
Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
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
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	0.44 kg (0.97 lb)
Gross Weight	0.70 kg (1.54 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-ME1239THP-A-PV	2MP Smart Dual Light Bullet Camera, PAL
	DH-HAC-ME1239THN-A-PV	2MP Smart Dual Light Bullet Camera, NTSC
Accessories (Optional)	PFA130-E	Junction box (For use alone or with PFA152-E)
	PFA152-E	Pole Mount Bracket (For use with PFA130-E)
	PFM321D	12V 1A Power Adapter
	PFM800-4K	1-CH Passive Video Balun
	ARA11	Indoor Siren
	ARA16	Outdoor Siren

Accessories

Optional:



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



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



PFM321D
12V 1A Power Adapter



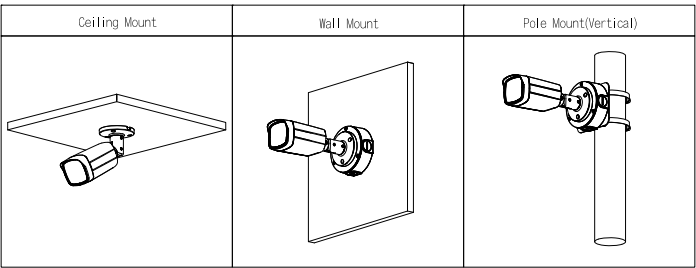
PFM800-4K
1-CH Passive Video Balun



ARA11
Indoor Siren



ARA16
Outdoor Siren



Dimensions (mm[inch])

