

DH-HAC-HDW1239T-Z-A-LED

2MP Full-color HDCVI Motorized Vari-Focal Eyeball Camera



Full-
Color

Series Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

Full-color

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 color monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

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.

* The parameters and datasheets below can only be applied to 1239-S3 series.

- Max. 30 fps@1080p.
- 130 dB true WDR, 3D NR.
- 24/7 color imaging
- Smart Warm Light Illumination.
- 40 m illumination distance.
- Super Adapt.
- Built-in Mic.
- Auto focus, 2.7 mm–13.5 mm motorized lens.
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.



Smart Warm Light Illumination

In dark environments, the camera produces vivid images in rich color through its warm LED lights. With its smart light mode setting, it automatically adjusts its exposure time and light sensitivity to avoid the overexposure of objects in the center of the image.

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.

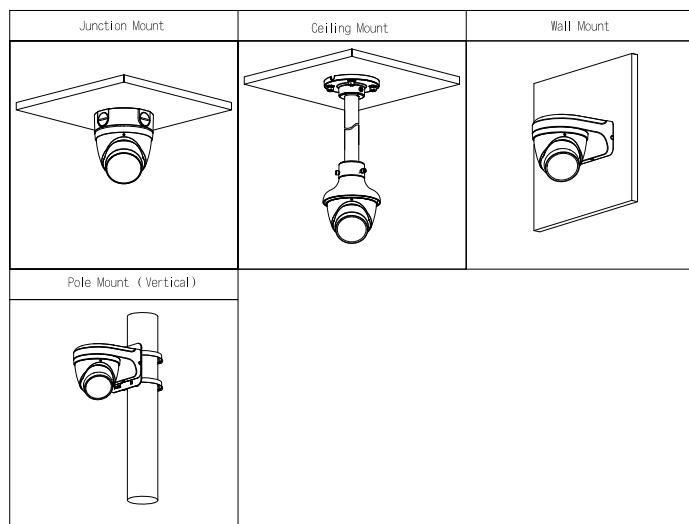
Protection (IP67, Wide Voltage)

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.

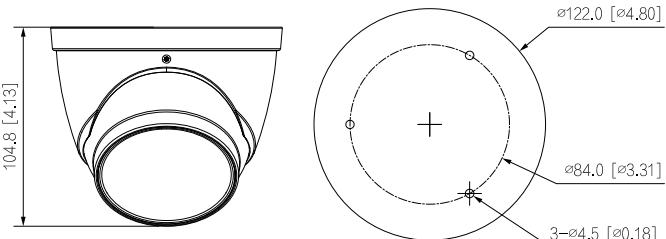
Technical Specification						BLC		BLC; HLC; WDR;								
Camera						WDR		130 dB								
Image Sensor						White Balance		Auto;Area white balance								
Max. Resolution						Gain Control		Manual;Auto								
Scanning System						Noise Reduction		3D NR								
Electronic Shutter Speed						Illumination Mode		Smart Light								
Min. Illumination						Mirror		Yes								
S/N Ratio						Privacy Masking		Off/On (8 areas, rectangle)								
Illumination Distance						Certification										
Illuminator On/Off Control						Certifications		CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;								
Illuminator Number						Port										
Angle Adjustment						Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port								
Lens						Audio Input		One channel built-in Mic								
Lens Type						Power										
Auto Focus						Power Supply		12 VDC ± 30%								
Lens Mount						Power Consumption		Max 7.2 W (12 VDC,LED on)								
Focal Length						Environment										
Max. Aperture						Operating Temperature		−30 °C to +60 °C (−22 °F to +140 °F)								
Field of View						Operating Humidity		<95% (RH), non-condensing								
Iris Control						Storage Temperature		−30 °C to +60 °C (−22 °F to +140 °F)								
Close Focus Distance						Storage Humidity		<95% (RH), non-condensing								
DORI Distance	Lens		Detect	Observe	Recognize	Identify	Protection									
	W		46.6 m (152.89 ft)	18.6 m (61.02 ft)	9.3 m (30.51 ft)	4.7 m (15.42 ft)	IP67									
	T		133.3 m (437.34 ft)	53.3 m (174.87 ft)	26.7 m (87.60 ft)	13.3 m (43.64 ft)	Anti-corrosion Level									
*DORI (Detect, Observe, Recognize, Identify) is a standard system (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 distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.																
Video																
Video Frame Rate						Structure										
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: 960H NTSC: 960H						Casing Material		Metal								
Resolution						Product Dimensions		Φ122.0 mm × 104.8 mm (Φ4.80" × 4.13")								
Day/Night						Net Weight		0.57 kg (1.26 lb)								
						Gross Weight		0.75 kg (1.65 lb)								
						Installation		Wall mount; ceiling mount; vertical pole mount								

Ordering Information

Type	Model	Description
HDCVI CAMERA	DH-HAC-HDW1239TP-Z-A-LED	2MP Full-color HDCVI Motorized Vari-Focal Eyeball Camera
	DH-HAC-HDW1239TN-Z-A-LED	2MP Full-color HDCVI Motorized Vari-Focal Eyeball Camera
Accessories (Optional)	DH-PFB220C	Ceiling Mount Bracket
	DH-PFA106	Mount Adapter
	DH-PFB305W	Wall Mount Bracket
	DH-PFA151	Corner Mount Bracket
	DH-PFA150	Pole Mount Bracket
	DH-PFB203W	Wall Mount Bracket
	DH-PFA152-E	Pole Mount Bracket
	DH-PFA137	Junction Box
	DH-PFM800-E	1 Channel Passive HDCVI Balun
	DH-PFM321-EN	DC12V 1A Power Adapter



Dimensions (mm[inch])



Accessories

Optional:



DH-PFB220C
Ceiling Mount Bracket



DH-PFA106
Mount Adapter



DH-PFB305W
Wall Mount Bracket



DH-PFA151
Corner Mount Bracket



DH-PFA150
Pole Mount Bracket



DH-PFB203W
Wall Mount Bracket



DH-PFA152-E
Pole Mount Bracket



DH-PFA137
Junction Box



DH-PFM800-E
1 Channel Passive HDCVI
Balun



DH-PFM321-EN
DC12V1A Power
Adapter



DH-PFM321D-EN
12V 1A Power
Adapter



DH-PFM320D-EN
DC12V2A Power
Adapter



PFM904
Integrated Mount Tester

Rev 002.000

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