

# DH-HAC-HDW1239T-Z-A-LED

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





#### **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.

## Lite Series | DH-HAC-HDW1239T-Z-A-LED

PAL: 1080p@25 fps NTSC: 1080p@30 fps

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1080p (1920 × 1080); 960H (960 × 576/960 × 480);

AHD:

TVI:

CVBS: PAL: 960H NTSC: 960H

Color

Video Frame Rate

Resolution

Day/Night

Technical	Specification	on					BLC	BLC; HLC; WDR;
Camera							WDR	130 dB
Image Sensor		2 MP CMOS					White Balance	Auto;Area white balance
Max. Resolution		1920 (H) × 1080 (V)					Gain Control	Manual;Auto
Scanning System		Progressive					Noise Reduction	3D NR
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s					Illumination Mode	Smart Light
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0 lux (Illuminator on)					Mirror	Yes
S/N Ratio		>65 dB					Privacy Masking	Off/On (8 areas, rectangle)
Illumination Distance		40 m (131.23 ft)					Certification	
Illuminator On/Off Control							Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;
Illuminator Number		2 (Warm light)					Port	
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78°					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BN port
		Rotation: 0°–360°					Audio Input	One channel built-in Mic
Lens						Power		
Lens Type		Motorized vari-focal					Power Supply	12 VDC ± 30%
Auto Focus		Yes					Power Consumption	Max 7.2 W (12 VDC,LED on)
Lens Mount		ф16					Environment	
Focal Length		2.7 mm-13.5 mm					Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Max. Aperture		F1.0					Operating Humidity	<95% (RH), non-condensing
Field of View		H: 103°-33°; V: 54°-18°; D: 124°-38°					Storage Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Iris Control		Fixed					Storage Humidity	<95% (RH), non-condensing
Close Focus Distance		1.5 m (4.92 ft)					Protection	IP67
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Anti-corrosion Level	Basic 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)		Structure	
	Т	133.3 m	53.3 m	26.7 m	13.3 m		Casing Material	Metal
		(437.34 ft) (174.87 ft) (87.60 ft) (43.64 ft) ect, Observe, Recognize, Identify) is a standard system					Product Dimensions	φ122.0 mm × 104.8 mm (φ4.80" × 4.13")
	(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/						Net Weight	0.57 kg (1.26 lb)
							Gross Weight	0.75 kg (1.65 lb)
Video	project design	n tooi.					Installation	Wall mount; ceiling mount; vertical pole mount
video		CVI:						

## Lite Series | DH-HAC-HDW1239T-Z-A-LED

Ordering Information							
Туре	Model	Description					
HDCVI	DH-HAC-HDW1239TP-Z- A-LED	2MP Full-color HDCVI Motorized Vari-Focal Eyeball Camera					
CAMERA	DH-HAC-HDW1239TN-Z- A-LED	2MP Full-color HDCVI Motorized Vari-Focal Eyeball Camera					
	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					
Accessories (Optional)	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					
	DH-PFM321D-EN	DC12V 1A Power Adapter					
	DH-PFM320D-EN	DC12V 2A Power Adapter					
	PFM904	Integrated Mount Tester					

### **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-PFM321-EN DC12V1A Power Adapter



DH-PFM321D-EN 12V 1A Power Adapter



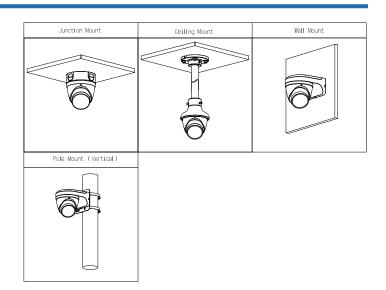
DH-PFM320D-EN DC12V2A Power Adapter





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### Dimensions (mm[inch])

