

# DH-HAC-HDW1509T-A-LED

5MP Full-color HDCVI Fixed-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.

#### **Smart Light+**

Equipped with advanced LEDs and beam processing technology, the camera effectively reduces interference of stray light, ensuring concentrated illumination within the lens's field of view. This allows the camera to easily produce clear images that reveal the fine details of targets even in low light conditions.

## **Smart Area Lighting**

Automatically adjusts the intensity of the brightness and exposure for the left and right areas in the video based on the proportion and position of the targets to reveal more details in the image.

- \* The parameters and datasheets below can only be applied to 1509-S3 series.
- \* In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.000001.0.R.200908 or later version
- Max 25 fps@5MP (16:9 video output)
- · Super Adapt, 120 dB true WDR, 3D NR
- 24/7 color imaging
- · Smart Light+
- · Smart Area Lighting
- · Built-in Mic
- · 40 m illumination distance
- · CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens (2.8 mm optional)
- 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.

Tookataala	Coocifi+'						
Technical Specification  Camera					Resolution	5M (2880 × 1620); TVI 5M 16:9 (2960 × 1665) (2560 × 1440); 1080p (1920 × 1080); 960H (96576)	
Image Sensor		5 MP CMOS				Day/Night	Color
Max. Resolution		2880 (H) × 1620 (V)				BLC	BLC; HLC; WDR; HLC-Pro
Scanning System		Progressive				WDR	120 dB
Electronic Shutter Speed		PAL: 1/3 s-1/100,000 s;				White Balance	Auto;Area white balance
Liectronic Shutter Speed		NTSC: 1/4 s-1/100,000 s				Gain Control	Auto/Manual
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0 lux (Illuminator on)				Noise Reduction	3D NR
S/N Ratio		>65 dB				Illumination Mode	Smart Light
Illumination Distance		40 m (131 ft)				Defog	Electronic defog
Illuminator On/Off Control		Auto/Manual				Digital Zoom	4×
Illuminator Number		4 (Warm light)				Mirror	Yes
Angle Adjustment		Pan: 0°-360°				Privacy Masking	Off/On (8 areas, rectangle)
		Tilt: 2°-75° Rotation: 0°-360°				Certification	
Lens					Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;	
Lens Type		Fixed-focal				Audio	
Auto Focus		No				Built-in Mic	Yes
Lens Mount		M12				Port	
Focal Length		2.8 mm; 3.6 mm					Video output choices of CVI/TVI/AHD/CVBS by
Max. Aperture		F1.0				Video Output	port
Field of View		2.8 mm: H: 112°; V: 57°; D: 132° 3.6 mm: H: 88°; V: 46°; D: 104°				Alarm Output	1 channel
Iris Control		Fixed				Power	
Close Focus Distance		2.8 mm: 1.6 m (5.25 ft) 3.6 mm: 2.3 m (7.55 ft)				Power Supply	12 VDC ± 30% (It is recommended to use a powadapter to supply the power for one camera)
	Lens	Detect	Observe	Recognize	Identify	Power Consumption	Max 9 W (12 VDC, LED on)
	2.8 mm	67.4 m	27.0 m	13.5 m	6.7 m	Environment	
	2.0 111111	( 221.13 ft)	( 88.58 ft)	( 44.29 ft)	( 21.98 ft)	Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
DORI	3.6 mm	80.0 m ( 262.47 ft)	32.0 m ( 104.99 ft)	16.0 m ( 52.49 ft)	8.0 m ( 26.25 ft)	Operating Humidity	<95% (RH), non-condensing
Distance	*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					Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
						Storage Humidity	<95% (RH), non-condensing
	numbers in this table do not reflect intelligent function distances.  For intelligent function distances, refer to installation and					Protection	IP67
	commissioning manual/project design tool.					Anti-corrosion Level	Basic Protection
Video						Structure	
Video Frame Rate		CVI: PAL: 5M@25 fps; 5M@12.5 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 5M@10 fps; 4M@30 fps; 1080p@30 fps AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M 16:9@20 fps; 4M@25 fps NTSC: 5M 16:9@20 fps; 4M@30 fps CVBS: PAL: 960H NTSC: 960H				Casing Material	Metal
						Product Dimensions	Φ106 mm × 96.9 mm (Φ4.17" × 3.81")
						Net Weight	0.49 kg (1.08 lb)
						Gross Weight	0.68 kg (1.50 lb)
						Installation	Wall mount; ceiling mount; vertical pole moun

# Lite Series | DH-HAC-HDW1509T-A-LED

Ordering Information								
Туре	Model	Description						
HDCVI CAMERA	DH-HAC-HDW1509TP-A-LED	5MP Full-color HDCVI Fixed- focal Eyeball Camera, PAL						
HDCVI CAMERA	DH-HAC-HDW1509TN-A-LED	5MP Full-color HDCVI Fixed- focal Eyeball Camera, NTSC						
	DH-PFA106	Mount Adapter						
	DH-PFB220C	Ceiling Mount Bracket						
	DH-PFB305W	Wall mount bracket						
	DH-PFA151	Corner mount bracket						
	DH-PFA150	Pole Mount Bracket						
	DH-PFA152-E	Pole Mount Bracket						
Accessories (Optional)	DH-PFB204W	Wall mount bracket						
	DH-PFA139	Junction box						
	DH-PFM800-4K	1 Channel Passive HDCVI Balun						
	DH-PFM321-EN	DC12V1A power adapter						
	DH-PFM321D-EN	DC12V 1A power adapter						
	DH-PFM320D-EN	DC12V2A power adapter						
	PFM904	Integrated Mount Tester						

# **Accessories**

# Optional:



DH-PFA106



DH-PFA151

Corner mount bracket

DH-PFB204W

Wall mount bracket



DH-PFB220C Ceiling Mount Bracket



DH-PFA150



Pole Mount Bracket



DH-PFA139



DH-PFM321D-EN

DH-PFM321-EN DC12V1A power adapter DC12V 1A power adapter DC12V2A power adapter



Junction box





DH-PFB305W Wall mount bracket



DH-PFA152-E Pole Mount Bracket



DH-PFM800-4K 1 Channel Passive HDCVI Balun



DH-PFM320D-EN

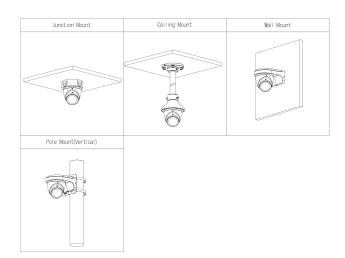


PFM904

Integrated Mount Tester

Rev 002.000

©2024 Dahua. All rights reserved. Design and specifications are subject to change without notice Pictures in the document are for reference only, and the actual product shall prevail.



# Dimensions (mm[inch])

mm [inch]

