

DH-HAC-HDW1509T-IL-A-POC

5MP Smart Dual Light 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

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.

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 1509-IL-S2 series
- * In order to use the 5MP 16:9 and the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 or later version.
- · Max 25 fps@5MP (16:9 video output)
- · 120 dB true WDR, 3D NR
- · Smart Dual Illuminators
- · 40 m illumination distance
- · Super Adapt
- · Built-in Mic
- · 3.6 mm fixed lens (2.8 mm optional)
- · CVI/CVBS/AHD/TVI switchable
- IP67, PoC (only CVI)/12 V±30% DC.

















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.

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.

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Technical	Specification	on				Gain Control
Camera					Noise Reduction	
Image Sensor		5 MP CMOS			Illumination M	
Max. Resolution		2880 (H) x 1620 (V)			Defog	
Scanning System		Progressive			Digital Zoom	
Electronic Shutter Speed		PAL: 1/3 s-1/100,000 s;			Mirror	
Liectronic Shutter Speed		NTSC: 1/4 s-1/100,000 s			Privacy Maskii	
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE); 0.0001 lux@F1.0 (B/W, 30 IRE); 0 lux (Illuminator on)			Certificati	
S/N Ratio		>65 dB			Certifications	
Illumination Distance		IR: 40 m (131.23 ft); Warm Light: 40 m (131.23 ft)			Port	
Illuminator On/Off Control		Auto;Manual			Video Output	
Illuminator Number		2 (Warm light);2 (IR light)				Audio Input
Angle Adjustment		Pan: 0°–360°; Tilt: 0°–78°;				Power
		Rotation: 0°–360°				Power Supply
Lens						Power Consur
Lens Type		Fixed-focal			Environme	
Lens Mount		M12				Operating Ten
Focal Length		2.8 mm; 3.6 mm				Operating Hui
Max. Aperture		F1.2				Storage Temp
Field of View		2.8 mm: H: 111°; V: 58.5°; D: 136.3° 3.6 mm: H: 91.1°; V: 48.7°; D: 107.9°				Storage Humi
Iris Control		Fixed				Protection
Close Focus D	Distance	2.8 mm: 1.4 i 3.6 mm: 2.0 i				Anti-corrosion
	Lens	Detect	Observe	Recognize	Identify	Structure
DORI Distance	2.8 mm	64.0 m (209.97 ft)	25.6 m (83.99 ft)	12.8 m (41.99 ft)	6.4 m (21.00 ft)	Casing Materia Product Dimer
	3.6 mm	78.0 m	31.2 m	15.6 m	7.8 m	Net Weight
	3.0 11111	(255.91 ft)	(102.36 ft)	(51.18 ft)	(25.59 ft)	Gross Weight
Video						Installation
Video Frame Rate		CVI: PAL: 5M@25 fps; 4M@25 fps NTSC: 5M@25 fps; 4M@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				
Resolution		5M (2880 x 3		60 × 1440); 960	0H (960 x	
Day/Night		Auto(ICR)/Co	lor/B/W			
BLC		BLC; HLC; WDR; HLC-Pro				
WDR		120 dB				
White Palance		Auto-Area white halance				

White Balance

Auto;Area white balance

Gain Control	Manual;Auto			
Noise Reduction	3D NR			
Illumination Mode	Smart IR&WL WL Mode; IR Mode			
Defog	Electronic defog			
Digital Zoom	4 x			
Mirror	Yes			
Privacy Masking	Off/On (8 areas, rectangle)			
Certification				
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;			
Port				
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port			
Audio Input	One channel built-in Mic			
Power				
Power Supply	PoC (only CVI)/12 VDC ± 30%			
Power Consumption	Max 5.1W (12 VDC, WLED on) PoC (AF)			
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)			
Storage Humidity	<95% (RH), non-condensing			
Protection	IP67			
Anti-corrosion Level	Basic Protection			
Structure				
Casing Material	Metal			
Product Dimensions	Φ106.0 mm x 93.6 mm (Φ4.17" x 3.69")			
Net Weight	0.49 kg (1.08 lb)			
Gross Weight	0.66 kg (1.46 lb)			
Installation	Wall mount; ceiling mount; vertical pole mount			

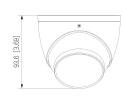
Lite Series | DH-HAC-HDW1509T-IL-A-POC

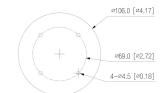
Ordering Information						
Туре	Part Number	Description				
LIDGU CAAAFDA	DH-HAC-HDW1509TP-IL-A-POC	5MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera, PAL				
HDCVI CAMERA	DH-HAC-HDW1509TN-IL-A-POC	5MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera, NTSC				
	DH-PFA106	DH-PFA106				
	DH-PFB220C	DH-PFB220C				
	DH-PFA151	Corner mount bracket				
	DH-PFB305W	Wall mount bracket				
	DH-PFA150	Pole Mount Bracket				
Accessories (Optional)	DH-PFB204W	Wall mount bracket				
Accessories (Optional)	DH-PFA152-E	Pole Mount Bracket				
	DH-PFA139	Junction box				
	DH-PFM321-EN	DC12V1A power adapter				
	DH-PFM321D-EN	DC12V 1A power adapter				
	DH-PFM320D-EN	DC12V2A power adapter				
	PFM904	Integrated Mount Tester				

Junction Mount Ceiling Mount Nail Mount Pole Mount(Vertical)

Dimensions (mm[inch])

mm [inch]





Accessories

Optional:



DH-PFA106 DH-PFA106



DH-PFB305W Wall mount bracket



DH-PFB220C DH-PFB220C



DH-PFA151 Corner mount bracket



DH-PFA150 Pole Mount Bracket



DH-PFB204W Wall mount bracket



DH-PFA152-E Pole Mount Bracket



DH-PFA139 Junction box



DH-PFM321-EN DC12V1A power adapter





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DH-PFM321D-EN DC12V 1A power adapter

DH-PFM320D-EN DC12V2A power adapter

PFM904 Integrated Mount Tester

Rev 002.000

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