

DH-HAC-HDW1500CLQ-IL-A

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 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.

Built-in Mic

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.

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.

- * The parameters and datasheets below can only be applied to1500-IL-S3 series.
- * In order to use the 5MP 16:9 and the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.
- Max. 25 fps@5MP (16:9 video output)
- · Starlight, 3D NR
- · Smart Dual Light.
- · 30 m illumination distance.
- · Built-in Mic.
- · Quick-to-install eyeball saves installation time.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, 12 VDC.















Easy Installation

HDCVI eyeball comes with a quick-to-install pedestal, which makes it easier to install than conventional eyeballs and reduces cost on time and labor.

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								CVBS: PAL: 960H
Camera								NTSC: 960H
Image Sensor		5 MP CMOS					Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480); TVI 5M 16:9 (2960
Max. Resolution		2880 (H) × 1620 (V)						× 1665)
Scanning System		Progressive					Day/Night	Auto(ICR)/Color/B/W
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s					BLC	BLC; HLC; WDR
		0.05 lux@F1.6 (Color, 30 IRE)					WDR	DWDR
Min. Illumination		0.005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)					White Balance	Auto;Area white balance
S/N Ratio		>65 dB					Gain Control	Auto
Illumination Distance		IR: 30 m (98.43 ft)					Noise Reduction	3D NR
		Warm Light: 30 m (98.43 ft)					Motion Detection	Yes
Illuminator On/Off Control		Auto					Illumination Mode	Smart IR&WL WL Mode; IR Mode
Illuminator Number		2 (Multi-core light)					Mirror	Yes
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78°					Privacy Masking	Off/On (8 areas, rectangle)
		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					Camera Audio	CVI; TVI
Focal Length		2.8 mm; 3.6 mm					Port	
Max. Aperture		F1.6					Video output choices of CVI/TVI/AHD/CVRS by one RNC	
Field of View		2.8 mm: H: 113.3°; V: 62.1°; D: 134.3° 3.6 mm: H: 90.1°; V: 47.8°; D: 109.3°					Video Output port (DIP Switch)	
Iris Control		Fixed					Power	
III3 COIILIOI		2.8 mm: 0.8 m (2.62 ft)					Power Supply	12 VDC (±30%)
Close Focus D	Distance	3.6 mm: 1.3 m (4.27 ft)					Power Consumption	Max 4.3 W (12 VDC, WLED on)
	Lens	Detect	Observe	Recognize	Identify		Environment	
	2.8 mm	59.8 m (196.19 ft)	23.9 m (78.41 ft)	12.0 m (39.37 ft)	6.0 m (19.69 ft)		Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
							Operating Humidity	<95% (RH), non-condensing
DORI	3.6 mm	77 m (252.62 ft)	30.8 m (101.05 ft)	15.4 m (50.52 ft)	7.7 m (25.26 ft)		Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Distance	*DORI (Detect, Observe, Recognize, Identify) is a standard system						Storage Humidity	<95% (RH), non-condensing
		(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					Protection	IP67
	The numbers						Anti-corrosion Level	Basic Protection
	distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.						Structure	
Video							Casing Material	Plastic
		CVI:					Product Dimensions	Φ97.4 mm × 92.9 mm (Φ3.83" × 3.66")
Video Frame Rate		PAL: 5M@25 fps; 5M@12.5 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 5M@20 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 NTSC: 5M 16:9@20 fps					Net Weight	0.22 kg (0.49 lb)
							Gross Weight	0.29 kg (0.64 lb)
							Installation	Wall mount; ceiling mount; vertical pole mount

NTSC: 5M 16:9@20 fps

Ordering Information								
Туре	Model	Description						
HDCVI CAMERA	DH-HAC-HDW1500CLQN- IL-A	5MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera,NTSC						
HDCVI CAIVIERA	DH-HAC-HDW1500CLQP-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera,PAL						
	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-PFB205W-E	Wall Mount Bracket						
	DH-PFA13G	Junction Box						
	DH-PFM800-4K	1 Channel Passive HDCVI Balun						
	DH-PFM321-EN	DC12V1A power adapter						
	DH-PFM320D-EN	DC12V2A power adapter						
	PFM904	Integrated Mount Tester						

Accessories

Optional:



DH-PFA106



Mount Adapter



DH-PFA151 Corner Mount Bracket



DH-PFB220C Ceiling Mount Bracket



DH-PFA13G Junction Box



DH-PFA152-E Pole Mount Bracket



DH-PFB305W Wall Mount Bracket



DH-PFB205W-E

DH-PFA150 Pole Mount Bracket

DH-PFM320D-EN DC12V2A power adapter



DH-PFM321-EN DC12V1A power adapter

Rev 002.000



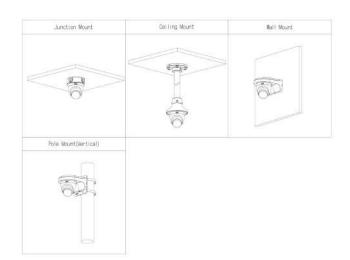
DH-PFM800-4K



1 Channel Passive HDCVI Integrated Mount Tester

Balun

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Dimensions (mm[inch])

