

DH-HAC-HFW1500TLM-IL-A

5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera



System 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

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.

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.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

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 ±30% input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios. * The parameters and datasheets below can only be applied to1500-IL 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.
- \cdot Max 25 fps@5MP (16:9 video output).
- · Smart Dual Light.
- \cdot 40 m illumination distance.
- · Super Adapt.
- \cdot Built-in MIC.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.

· IP67, 12 VDC.



4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Simplicity

HDCVI technology inherits the simplicity of traditional analog surveillance systems, making it a great mechanism for protecting your valuables. HDCVI can be upgraded from the traditional analog system without replacing the existing coaxial cabling. Its plug and play design enables it to produce high-definition videos during surveillance without the hassle of configuring a network.

Multi-language OSD

The OSD offers multiple functions to meet the many requirements of a monitoring scene, such as backlight mode, day/night mode, white balance, privacy mask, and motion detection. 11 languages are available for OSD: Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

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Technical Specification

Camera	

Camera					
Image Sensor		5 MP CMOS			
Max. Resolution		2880 (H) × 1620 (V)			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s			
Min. Illuminati	ion	0.05 lux@F1.6 (Color, 30 IRE) 0.005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>65 dB			
Illumination D	istance	IR: 40 m (131.23 ft) Warm Light: 40 m (131.2		3 ft)	
Illuminator On	Illuminator On/Off Control Auto/Manual				
Illuminator Nu	mber	2 (Warm light);2 (IR light)			
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm; 3.6 mm			
Max. Aperture		F1.6			
Field of View		2.8 mm: H: 106°; V: 56°; D: 125° 3.6 mm: H: 92°; V: 48°; D: 109°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.3 m (4.27 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
	3.6 mm	76 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87 ft)	7.6 m (24.93 ft)

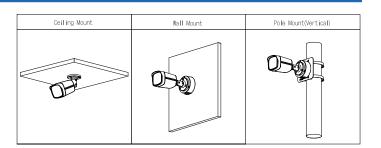
Video

Video Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080p@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 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto(ICR)/Color/B/W
BLC	BLC; HLC; DWDR
WDR	DWDR
White Balance	Auto; Area white balance

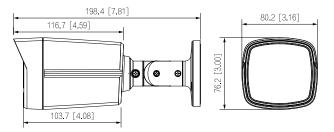
Gain Control	Auto/Manual
Noise Reduction	2D NR
Illumination Mode	Smart IR&WL WL Mode; IR Mode
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)
Certification	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14
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	12 VDC ± 30%
Power Consumption	Max 4.5 W (12 VDC, WLED on)
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
Structure	
Casing Material	Metal front cover + plastic rear barrel + metal bracket
Product Dimensions	198.4 mm × 80.2 mm × 76.2 mm (7.81" × 3.16" × 3")
Net Weight	0.3 kg (0.66 lb)
Gross Weight	0.42 kg (0.93 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

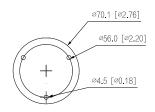
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Ordering Information					
Туре	Model	Description			
5M Camera	DH-HAC- HFW1500TLMP-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera, PAL			
	DH-HAC- HFW1500TLMN-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera, NTSC			
Accessories (Optional)	PFA134	Junction Box			
	PFA130-E	Water-proof Junction Box			
	PFA152-E	Pole Mount Bracket			
	PFM800-4K	1-CH Passive Video Balun			
	PFM321D	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			



Dimensions (mm [inch])





Accessories

Optional:



PFA134 Junction Box



PFM800-4K 1 Channel Passive HDCVI Balun



PFA130-E Water-proof Junction Box



PFM321D 12V 1A Power Adapter



PFA152-E Pole Mount Bracket



PFM904 Integrated Mount Tester

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