

DH-HAC-HFW1500TH-IL-A

5MP Smart Dual Light HDCVI Fixed-focal Bullet 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.

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.

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.

- * 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.
- · 80 m illumination distance.
- · Built-in Mic.
- · 3.6 mm fixed lens (2.8 mm, 6 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, 12 VDC.















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.

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.

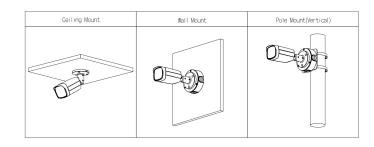
Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

Technical Specification								PAL: 4M@25 fps
Camera	•							NTSC: 4M@30 fps TVI:
Image Sensor		5 MP CMOS						PAL: 5M 16:9@20 fps NTSC: 5M 16:9@20 fps
Max. Resolution		2880 (H) × 1620 (V)						CVBS: PAL: 960H
Scanning System		Progressive						NTSC: 960H
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s					Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480); TVI 5M 16:9 (2960 × 1665)
Min. Illumination		0.05 lux@F1.6 (Color, 30 IRE) 0.005 lux@F1.6 (B/W, 30 IRE)					Day/Night	Auto(ICR)/Color/B/W
		0 lux (Illuminator on)					BLC	BLC; HLC; WDR
S/N Ratio		>65 dB					WDR	DWDR
Illumination Distance		IR: 80 m (262.47 ft) Warm Light: 80 m (262.47 ft)					White Balance	Auto;Area white balance
Illuminator On/Off Control		Auto					Gain Control	Auto
Illuminator Number		4 (Multi-core light)					Noise Reduction	3D NR
		Pan: 0°–360°					Motion Detection	Yes
Angle Adjustment		Tilt: 0°-90°					Illumination Mode	Smart IR&WL WL Mode; IR Mode
Long		Rotation: 0°–360°					Mirror	Yes
Lens		Fixed-focal					Privacy Masking	Off/On (8 areas, rectangle)
Lens Type Auto Focus		No					Certification	
Lens Mount		M12					Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;
Focal Length		6 mm; 2.8 mm; 3.6 mm					Audio	·
Max. Aperture		F1.6					Built-in Mic	Yes
		2.8 mm: H: 113.3°; V: 62.1°; D: 134.3°					Camera Audio	CVI; TVI
Field of View		3.6 mm: H: 90.1°; V: 47.8°; D: 109.3° 6 mm: H: 53.9°; V: 30.7°; D: 62.1°					Port	
Iris Control		Fixed					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port (DIP Switch)
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft) 3.6 mm: 1.3 m (4.27 ft) 6 mm: 2.6 m (8.53 ft)					Power	
	Lens	Detect	Observe	Recognize	Identify		Power Supply	12 VDC (±30%)
	2.0	59.8 m	23.9 m	12.0 m	6.0 m		Power Consumption	Max 6.5 W (12 VDC, WLED on)
	2.8 mm	(196.19 ft)	(78.41 ft)	(39.37 ft)	(19.69 ft)		Environment	
	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)		Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
DORI		118 m	47.2 m	23.6 m	11.8 m		Operating Humidity	<95% (RH), non-condensing
Distance	6 mm	(387.14 ft)	(154.86 ft)	(77.43 ft)	(38.71 ft)		Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
	*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 numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation						Storage Humidity	<95% (RH), non-condensing
							Protection	IP67
							Anti-corrosion Level	Basic Protection
		ioning manual/project design tool.					Structure	
Video						Casing Material	Metal front cover + plastic rear barrel + metal bracket	
Video Frame Rate		CVI: 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:					Product Dimensions	240.7 mm \times 90.7 mm \times 90.4 mm (9.48" \times 3.57" \times 3.56") (L \times W \times H)
							Net Weight	0.45 kg (0.99 lb)
							Gross Weight	0.62 kg (1.37 lb)

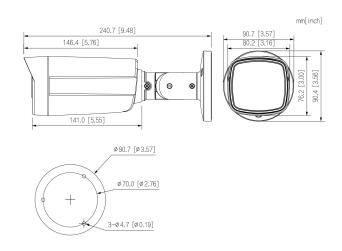
Installation

Wall mount; ceiling mount; vertical pole mount

Ordering Information								
Туре	Model	Description						
HDCVI CAMERA	DH-HAC-HFW1500THN-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera,NTSC						
TIDEVI CAWEIVA	DH-HAC-HFW1500THP-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera,PAL						
	DH-PFA151	Corner Mount Bracket						
	DH-PFA130-E	Water-proof Junction Box						
	G3416GW	G3/4" Water Joint						
	DH-PFA152-E	Pole Mount Bracket						
Accessories (Optional)	DH-PFA135	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						



Dimensions (mm[inch])



Accessories

Optional:



DH-PFA130-E Water-proof Junction Box



DH-PFA135 Junction Box



DH-PFA151 Corner Mount Bracket



DH-PFA152-E Pole Mount Bracket



DH-PFM320D-EN DC12V2A power adapter



DH-PFM321-EN DC12V1A power adapter



DH-PFM800-4K 1 Channel Passive HDCVI Balun



G3416GW G3/4" Water Joint



PFM904 Integrated Mount Tester