

# DH-HAC-HFW1500RL-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.

### **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.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, 12 VDC.













### 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.

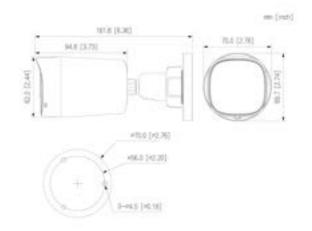
Technical	Specificatio	n						CVBS:
Camera								PAL: 960H NTSC: 960H
Image Sensor	r	5 MP CMOS					5M (2880 × 1620); 4M (2560 × 1440); 1080p (192	
Max. Resolution		2880 (H) × 1620 (V)				Resolution	Resolution	1080); 960H (960 × 576/960 × 480); TVI 5M 16:9 (2 × 1665)
Scanning System		Progressive					Day/Night	Auto(ICR)/Color/B/W
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s					BLC	BLC; HLC; WDR
Electronic Strutter Speed		NTSC: 1/30 s-1/100,000 s					WDR	DWDR
Min. Illumination		0.05 lux@F1.6 (Color, 30 IRE) 0.005 lux@F1.6 (B/W, 30 IRE)					White Balance	Auto;Area white balance
24.2		0 lux (Illuminator on)					Gain Control	Auto
S/N Ratio		>65 dB					Noise Reduction	3D NR
Illumination Distance		IR: 30 m (98.43 ft) 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°					Privacy Masking	Off/On (8 areas, rectangle)
		Tilt: 0°–90° 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	Video output choices of CVI/TVI/AHD/CVBS by or
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°					·	port (DIP Switch)
Iris Control		Fixed					Power	13.1/DC (1309/)
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft)					Power Supply	12 VDC (±30%)
close rocus E	ristance	3.6 mm: 1.3 r					Power Consumption	Max 4.3 W (12 VDC, WLED on)
	Lens	Detect	Observe	Recognize	Identify		Environment	40 °C +- , CO °C / 40 °C +- , 140 °C \
	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)
DORI Distance	2.6 mm	77 m	30.8 m	15.4 m	7.7 m		Operating Humidity	<95% (RH), non-condensing
	3.6 mm	( 252.62 ft)	( 101.05 ft)	( 50.52 ft)	( 25.26 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						Storage Humidity Protection	<95% (RH), non-condensing
	video to disti	video to distinguish persons or objects within a covered area.						IP67
	The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation						Anti-corrosion Level	Basic Protection
	and commiss	sioning manual/project design tool.					Structure Casing Material	Disable
Video					Casing Material	Plastic  161.6 mm × 70.0 mm × 69.7 mm /6.36" × 2.76" ×		
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: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M 16:9@20 fps					Product Dimensions	161.6 mm × 70.0 mm × 69.7 mm (6.36" × 2.76" × (L × W × H)
							Net Weight	0.20 kg (0.44 lb)
							Gross Weight	0.27 kg (0.60 lb)
							Installation	Wall mount; ceiling mount; vertical pole mount

NTSC: 5M 16:9@20 fps

Ordering Information								
Туре	Model	Description						
HDCVI CAMERA	DH-HAC-HFW1500RLN-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera,NTSC						
TIDEVI CAIVIENA	DH-HAC-HFW1500RLP-IL-A	5MP Smart Dual Light HDCVI Fixed-focal Bullet Camera,PAL						
	G3416GW	G3/4" Water Joint						
	DH-PFA130-E	Water-proof Junction Box						
	DH-PFA151	Corner Mount Bracket						
	DH-PFA152-E	Pole Mount Bracket						
Accessories (Optional)	DH-PFA134	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						

# Gerling Mount Junction Mount Pole Mount/Nertical)

## Dimensions (mm[inch])



### Accessories

### Optional:



DH-PFA130-E Water-proof Junction Box



DH-PFA134 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