

DH-HAC-HFW1239TLM-IL-A

2MP 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 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.

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.

- The parameters and datasheets below can only be applied to1239-IL-S3 series.
- * In order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.
- Smart Dual Light
- Max. 30 fps@1080p
- · Smart Light+
- · Smart Area Lighting
- · 40 m illumination distance
- · Super Adapt, 130 dB true WDR, 3D NR
- · Built-in Mic
- · 3.6 mm fixed lens (2.8 mm optional)
- · CVI/CVBS/AHD/TVI switchable
- IP67, 12 VDC















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.

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.

Technical Specification					
Camera	•				
Image Sensor		2 MP CMOS			
Max. Resolution		1920 (H) × 1080 (V)			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s			
Min. Illumination		0.001 lux@F1.0 (Color, 30 IRE) 0.0001 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>65 dB			
Illumination Distance		40 m (131.23 ft)			
Illuminator On/Off Control		Auto/Manual			
Illuminator Number		4 (Multi-core 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		F1.0			
Field of View		2.8 mm: H: 101.8°; V: 54.4°; D: 122.1° 3.6 mm: H: 84.2°; V: 45.3°; D: 98.9°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 1.1 m (3.61 ft) 3.6 mm: 1.6 m (5.25 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	45.6 m (149.61 ft)	18.2 m (59.71 ft)	9.1 m (29.86 ft)	4.6 m (15.09 ft)
	3.6 mm	55.6 m (182.41 ft)	22.2 m (72.83 ft)	11.1 m (36.42 ft)	5.6 m (18.37 ft)
	*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 and				

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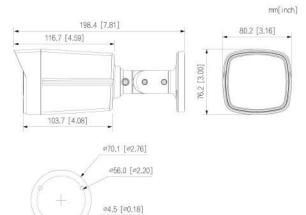
Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: 960H; NTSC: 960H
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto(ICR)/Color/B/W
BLC	BLC; HLC; WDR
WDR	130 dB
White Balance	Auto;Area white balance
Gain Control	Auto/Manual

commissioning manual/project design tool.

Noise Reduction	3D NR
Motion Detection	Yes
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;
Audio	
Built-in Mic	Yes
Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Power	
Power Supply	12 VDC ± 30%
Power Consumption	Max 7 W (12 VDC, LED 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
Anti-corrosion Level	Basic Protection
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	0.31 kg (0.68 lb)
Gross Weight	0.46 kg (1.01 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

Lite Series | DH-HAC-HFW1239TLM-IL-A

Ordering Information				
Туре	Model	Description		
HDCVI CAMERA	DH-HAC-HFW1239TLMP-IL-A	2MP Smart Dual Light HDCVI Fixed-focal Bullet Camera, PAL		
	DH-HAC-HFW1239TLMN-IL-A	2MP Smart Dual Light HDCVI Fixed-focal Bullet Camera, NTSC		
	G3416GW	G3/4" Water Joint		
	DH-PFA130-E	Water-proof Junction Box		
	DH-PFA151	Corner mount bracket		
	DH-PFA152-E	Pole Mount Bracket		
	DH-PFA134	Junction box		
Accessories (Optional)	DH-PFM800-E	1 Channel Passive HDCVI Balun		
	DH-PFM321-EN	DC12V1A power adapter		
	DH-PFM321D-EN	DC12V 1A power adapter		
	DH-PFM320D-EN	DC12V2A power adapter		
	PFM904	Integrated Mount Tester		



Wall Mount

Pole Mount(Vertical)

Ceiling Mount

Dimensions (mm[inch])

Accessories

Optional:







G3416GW G3/4" Water Joint

DH-PFA130-E Water-proof Junction Box

DH-PFA151 Corner mount bracket







DH-PFA152-E Pole Mount Bracket

DH-PFA134 Junction box

DH-PFM800-E 1 Channel Passive HDCVI Balun







DH-PFM321-EN

DH-PFM321D-EN

DH-PFM320D-EN DC12V1A power adapter DC12V 1A power adapter DC12V2A power adapter



PFM904

Integrated Mount Tester