

DH-HAC-HFW1209TLM-A-LED

2MP Full-color 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

Full-color

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 color monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

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 to 1209-S3 series.
- · 24/7 color imaging, Max. 30 fps@1080p
- · Smart Light+
- · Smart Area Lighting
- · 40 m illumination distance
- Super Adapt, 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.

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.

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Technical Specification					Illumination Mode	Smart Light	
Camera						Mirror	Yes
Image Sensor		2 MP CMOS				Privacy Masking	Off/On (8 areas, rectangle)
Max. Resolution		1920 (H) × 1080 (V)				Certification	
Scanning System		Progressive				Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s				Port	CE-EMC: EN 33032; EN 33033;
Min. Illumination		0.002 lux@F1.6 (Color, 30 IRE) 0 lux (Illuminator on)				Video Output	Video output choices of CVI/TVI/AHD/CVBS by port
S/N Ratio		>65 dB				Audio Input	One channel built-in Mic
Illumination Distance		40 m (131.23 ft)				Power	
Illuminator On/Off Control		Auto;Manual				Power Supply	12 VDC ± 30%
Illuminator Nu	mber	4 (Warm light)				Power Consumption	Max 7.26 W (12 VDC, LED on)
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Environment	
Lana		Notation. 0 =360				Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Lens						Operating Humidity	<95% (RH), non-condensing
Lens Type		Fixed-focal				Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Lens Mount		M12				Storage Humidity	<95% (RH), non-condensing
Focal Length		3.6 mm; 2.8 mm				Protection	IP67
Max. Aperture		F1.6				Anti-corrosion Level	Basic Protection
Field of View		2.8 mm: H: 107.8°; V: 58.9°; D: 126.8° 3.6 mm: H: 85.9°; V: 46.7°; D: 100.4°				Structure	
Iris Control		Fixed				Casing Material	Metal front cover + plastic rear barrel + metal b
Close Focus Distance		2.8 mm: 0.7 m (2.30 ft)				Product Dimensions	198.4 mm × 80.2 mm × 76.2 mm (7.81" × 3.16
		3.6 mm: 1.1 r				Net Weight	0.31 kg (0.68 lb)
	Lens	Detect	Observe	Recognize	Identify	Gross Weight	0.46 kg (1.01 lb)
	2.8 mm	42.2 m (138.45 ft)	16.9 m (55.45 ft)	8.4 m (27.56 ft)	4.2 m (13.78 ft)	Installation	Wall mount; ceiling mount; vertical pole moun
DORI Distance	3.6 mm	53.7 m (176.18 ft)	21.5 m (70.54 ft)	10.7 m (35.10 ft)	5.4 m (17.72 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				ng the video . The distances.		

Video

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	Color	
BLC	BLC; HLC; DWDR	
WDR	DWDR	
White Balance	Auto;Area white balance	
Gain Control	Manual;Auto	
Noise Reduction	3D NR	

commissioning manual/project design tool.

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Ordering Information							
Туре	Model	Description					
HDCVI CAMERA	DH-HAC-HFW1209TLMP-A- LED	2MP Full-color HDCVI Fixed- focal Bullet Camera, PAL					
TIDOVI CAIVIERA	DH-HAC-HFW1209TLMN-A- LED	2MP Full-color HDCVI Fixed- focal Bullet Camera, NTSC					
	G3416GW	G3/4" Water Joint					
	DH-PFA151	Corner mount bracket					
	DH-PFA130-E	Water-proof Junction Box					
	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					

Accessories

Optional:







DH-PFA151 Corner mount bracket



DH-PFA130-E Water-proof Junction Box



DH-PFA152-E Pole Mount Bracket



DH-PFA134 Junction box



DH-PFM800-E 1 Channel Passive HDCVI Balun





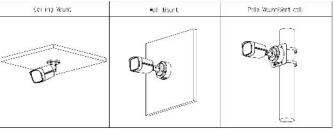
DH-PFM321-EN DC12V1A power adapter DC12V 1A power adapter DC12V2A power adapter

DH-PFM321D-EN

DH-PFM320D-EN



PFM904 Integrated Mount Tester



Dimensions (mm[inch])

