

DH-HAC-HFW1209CLN-LED

2MP Full-color HDCVI 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

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.

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.

Smart Warm Light Illumination

In dark environments, the camera produces vivid images in rich color through its warm LED lights. With its smart light mode setting, it automatically adjusts its exposure time and light sensitivity to avoid the overexposure of objects in the center of the image.

- * The parameters and datasheets below can only be applied to 1209-S2 series.
- Max. 30 fps@1080p.
- · 24/7 color imaging.
- 20 m illumination distance.
- · Super Adapt.
- · Built-in MIC (-A).
- Fixed lens 2.8 mm
- · CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.









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.

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

Lite Series | DH-HAC-HFW1209CLN-LED

Technical Specification						Privacy Masking
Camera					Certification	
Pixel Image Sensor		2 MP 2MP CMOS				Certifications
Max. Resolution		1920 (H) × 1080 (V)				Port
Scanning System		Progressive				Video Output
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s				Audio Input
Min. Illuminat	tion	0.005 lux@F1.6 (Color) 0 lux (Illuminator on)				Power
S/N Ratio		>65 dB				Power Supply
Illumination Distance		20 m (65.62 ft)				Power Consumption
Illuminator On/Off Control		Auto/Manual				Environment
Illuminator Number		2 (Warm light)				Operating Temperature
Den /Tilk/Detailor Den ee		Pan: 0°–360°				Operating Humidity
Pan/Tilt/Rotation Range		Tilt: 0°–90° Rotation: 0°–360°				Storage Temperature
Lens						Protection
Lens Type		Fixed-focal				Structure
Lens Mount		M12				Casing Material
Focal Length		2.8 mm; 3.6 mm				Product Dimensions
Max. Aperture		F1.6				Packaging Dimensions
Field of View		2.8 mm: H: 108°; V: 58°; D: 127° 3.6 mm: H: 84°; V: 43°; D: 102°				Net Weight
Iris Control		Fixed				Gross Weight
Close Focus Distance		2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3 m (4.27 ft)				Installation
	Lens	Detect	Observe	Recognize	Identify	
DORI	2.8 mm	42.2 m	16.9 m	8.4 m	4.2 m	

3.6 mm

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	Auto		
Noise Reduction	3D NR		
Illumination Mode	Smart Light		
Mirror	Yes		

59.0 m

23.6 m

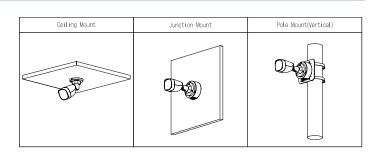
11.8 m

(193.57 ft) (77.43 ft) (38.71 ft) (19.36 ft)

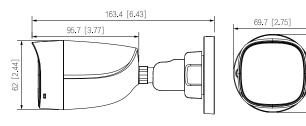
5.9 m

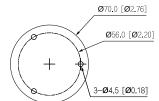
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Ordering Information						
Туре	Part Number	Description				
	DH-HAC-HFW1209CLP- A-LED	2MP Full-color HDCVI Bullet Camera, PAL				
20.40 Communication	DH-HAC-HFW1209CLN- A-LED	2MP Full-color HDCVI Bullet Camera, NTSC				
2MP Camera	DH-HAC-HFW1209CLP- LED	2MP Full-color HDCVI Bullet Camera, PAL				
	DH-HAC-HFW1209CLN- LED	2MP Full-color HDCVI Bullet Camera, NTSC				
	PFA134	Junction Box				
	PFA130-E	Water-proof Junction Box				
Accessories	PFA152-E	Pole Mount Bracket				
(Optional)	PFM800-E	1 Channel Passive HDCVI Balun				
	PFM321D	12V 1A Power Adapter				
	PFM904	Integrated Mount Tester				



Dimensions (mm[inch])





Accessories

Optional:



PFA134 Junction Box



PFA130-E Water-proof Junction Box



PFA152-E Pole Mount Bracket



PFM800-E 1 Channel Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester