

DH-HAC-HFW1200CM-IL-A

2MP Smart Dual Light HDCVI Fixed-focal 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

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.

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.

- * The parameters and datasheets below can only be applied to 1200-S6-IL series.
- * In order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.000004.1.R.220323 or later version.
- · Max. 30 fps@1080p.
- · 3D NR.
- · Smart Dual Light.
- · 20 m illumination distance.
- · Super Adapt.
- · Built-in mic.
- · 3.6 mm fixed lens (2.8 mm optional).
- · 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.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

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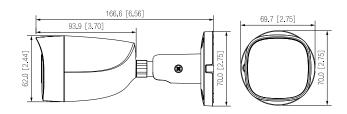
	•						
Technical Specification						Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Camera						Day/Night	Auto(ICR)/Color/B/W
Image Sensor		2 MP CMOS				BLC	BLC; HLC; DWDR
Max. Resolution		1920 (H) × 1080 (V)				WDR	DWDR
Scanning System		Progressive				White Balance	Auto;Area white balance
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s				Gain Control	Auto
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE)				Noise Reduction	3D NR
		0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Illumination Mode	Smart IR&WL WL Mode; IR Mode
S/N Ratio		>65 dB				Mirror	Yes
Illumination Distance		IR: 20 m (65.62 ft)				Privacy Masking	Off/On (8 areas, rectangle)
Illuminator On/Off Control		Warm light: 20 m (65.62 ft) Auto				Certification	
Illuminator Number		1 (Warm light);1 (IR light)				Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;
manimutor Numbel		Pan: 0°–360°					FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14
Angle Adjustment		Tilt: 0°-90° Rotation: 0°-360°				Port	
Lens						Video Output	Video output choices of CVI/TVI/AHD/CVBS by one
Lens Type		Fixed-focal					BNC port 1 channel
Auto Focus		No				Audio Input	1 Challier
Lens Mount		M12				Power	12 VDC + 2004
Focal Length		2.8 mm; 3.6	mm			Power Supply	12 VDC ± 30%
Max. Aperture		F2.0				Power Consumption	Max 2.6W (12 VDC, IR on)
Field of View		2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 105°				Environment	40.804-100.80/ 40.804-140.80
Iris Control		Fixed				Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft)				Operating Humidity	<95% (RH), non-condensing
Close i ocus D		3.6mm: 0.7 r				Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
	Lens	Detect	Observe	Recognize	Identify	Storage Humidity	<95% (RH), non-condensing
	2.8 mm	41.1 m (135.83 ft)	16.5 m (42.13 ft)	8.3 m (27.23 ft)	4.1 m (13.45 ft)	Protection	IP67
DORI	3.6 mm	50.9 m (166.99 ft)	20.3 m (66.60 ft)	10.2 m (33.46 ft)	5.1 m (16.73 ft)	Structure	
Distance	*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 commissioning manual/project design tool.					Casing Material	Metal
						Product Dimensions	166.6 mm × 69.7 mm × 70 mm (6.56" × 2.74" × 2.76")
						Net Weight	0.32 kg (0.71 lb)
Vidaa	1001.					Gross Weight	0.40 kg (0.88 lb)
Video						Installation	Wall mount; ceiling mount; vertical pole mount
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					
		55.55011					

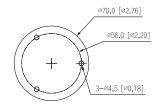
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Ordering Information							
Туре	Model	Description					
2MAD Company	DH-HAC-HFW1200CMP- IL-A	2MP HDCVI Smart Dual Light Bullet Camera, PAL					
2MP Camera	DH-HAC-HFW1200CMN- IL-A	2MP HDCVI Smart Dual Light Bullet Camera, NTSC					
	PFA130-E	Water-proof Junction Box					
	PFA134	Junction Box					
Accessories	PFA152-E	Pole Mount Bracket					
(Optional)	PFM800-E	Passive HDCVI Balun					
	FM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					

Ceiling Mount Junction Mount Pole Mount(Vertical)

Dimensions (mm [inch])





Accessories

Optional:



PFA130-E Water-proof Junction Box



PFA134 Junction Box



PFA152-E Pole Mount Bracket



PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester