

DH-HAC-HFW1200CM-A

2MP HDCVI Fixed IR Bullet Camera



* The parameters and datasheets below can only be applied to 1200-S5

- Max 30 fps@1080P.
- 3.6 mm fixed lens (2.8 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- Built-in mic.
- Max. IR length 30m, Smart IR.
- IP67



Series Overview

Built for convenience, the PoC Series features highly reliable cameras that are powered directly by recorders on the same coaxial cable* that its videos are transmitted over. HDCVI PoC technology greatly reduces material and installation cost, making it an ideal choice for customers who are on a tight budget and are working with scenes that require complex deployment.

*We recommend choosing RG59 or RG6 cable for PoC transmission.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

* Audio input is available for some models of HDCVI cameras.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m via UTP cable.

*Actual results verified by real-scene testing in Dahua's test laboratory.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables high definition video surveillance without the hassle of configuring a network.

Smart Illumination

The camera is designed with IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

Technical Specification						White Balance		Auto/Area WB	
Camera						Gain Control		Auto; manual	
Image Sensor		2MP CMOS				Noise Reduction		2D NR	
Max. Resolution		1920 (H) × 1080 (V)				Smart IR		Yes	
Pixel		2MP				Mirror		Off/On	
Scanning System		Progressive				Privacy Masking		Off/On (8 area, rectangle)	
Electronic Shutter Speed		PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s				Certifications			
S/N Ratio		> 65 dB				Certifications		CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
Min. Illumination		0.02 Lux/F1.9, 30 IRE, 0 Lux IR on				Port			
Illumination Distance		30m (98.4 ft)				Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Illuminator On/Off Control		Auto; manual				Audio Input		One channel built-in mic	
Illuminator Number		2 (IR light)				Power			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Power Supply		POC (only CVI)/12V±30% DC	
Lens						Power Consumption		Max 2.8W (12 VDC, IR on); POC (AF)	
Lens Type		Fixed lens				Environment			
Mount Type		M12				Operating Temperature		–40 °C to +60 °C (–40 °F to 140 °F); < 95% (non-condensation)	
Focal Length		2.8 mm; 3.6 mm				Storage Temperature		–40 °C to +60 °C (–40 °F to 140 °F); < 95% (non-condensation)	
Max. Aperture		F1.9				Protection Grade		IP67	
Field of View		2.8 mm: D: 119°, H:101°, V: 54° 3.6 mm: D: 100°; H:84°; V: 45°				Structure			
Iris Type		Fixed iris				Casing		Metal throughout the whole casing	
Close Focus Distance		2.8 mm: 0.5 m (1.6 ft) 3.6 mm: 0.8 m (2.6 ft)				Camera Dimensions		166.6 mm × 69.7 mm × 70.0 mm (6.56" × 2.75" × 2.75")	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Net Weight		0.35 Kg (0.8 lb)	
	2.8 mm	38.6 m (126.6 ft)	5.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)	Gross Weight		0.45 Kg (1.0 lb)	
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 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 commissioning manual/ project design tool.								
Video									
Frame Rate		CVI: 1080p@25/30 fps; 720p@25/30 fps; AHD: 1080p@25/30 fps; 720p@25/30 fps; TVI: 1080p@25/30 fps; 720p@25/30 fps; CVBS: 960H							
Resolution		1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)							
Day/Night		Auto switch by ICR							
BLC		BLC/DWDR/HLC							

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HFW1200CMPA	2MP HDCVI Fixed IR Bullet Camera, PAL
	DH-HAC-HFW1200CMNA	2MP HDCVI Fixed IR Bullet Camera, NTSC
Accessories (Optional)	PFA134	Junction box
	PFA130-E	Water-proof Junction Box
	PFA152-E	Pole Mount Bracket
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

Accessories

Optional:



PFA134
Junction box



PFA130-E
Water-proof Junction Box



PFA152-E
Pole Mount Bracket



PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester

Ceiling Mount	Junction Mount	Pole Mount(Vertical)

Dimensions (mm[inch])

