

DH-HAC-HFW1200CM-A-POC

2MP HDCVI POC Fixed IR Bullet Camera



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

- 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, PoC (only CVI)/12V±30% DC.



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 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 ±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		Mirror	Off/On
Camera		Privacy Masking	Off/On (8 area, rectangle)
Image Sensor		Certifications	
Max. Resolution	1920 (H) × 1080 (V)	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)
Pixel	2MP	Port	
Scanning System	Progressive	Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s	Audio Input	One channel built-in mic
S/N Ratio	> 65 dB	Power	
Min. Illumination	0.02 Lux/F1.9, 30 IRE, 0 Lux IR on	Power Supply	POC (only CVI)/12V±30% DC
Illumination Distance	30m (98.4 ft)	Power Consumption	Max 2.8W (12 VDC, IR on); POC (AF)
Illuminator On/Off Control	Auto; manual	Environment	
Illuminator Number	2 (IR light)	Operating Temperature	–40 °C to +60 °C (–40 °F to 140 °F); < 95% (non-condensation)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°	Storage Temperature	–40 °C to +60 °C (–40 °F to 140 °F); < 95% (non-condensation)
Lens		Protection Grade	IP67
Lens Type	Fixed lens	Structure	
Mount Type	M12	Casing	Metal throughout the whole casing
Focal Length	2.8 mm; 3.6 mm	Camera Dimensions	166.6 mm × 69.7 mm × 70.0 mm (6.56" × 2.75" × 2.75")
Max. Aperture	F1.9	Net Weight	0.35 Kg (0.8 lb)
Field of View	2.8 mm: D: 119°, H:101°, V: 54° 3.6 mm: D: 100°; H:84°; V: 45°	Gross Weight	0.45 Kg (1.0 lb)
Iris Type	Fixed iris	Video	
Close Focus Distance	2.8 mm: 0.5 m (1.6 ft) 3.6 mm: 0.8 m (2.6 ft)	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
DORI Distance	2.8 mm: D: 38.6 m (126.6 ft); O: 15.4 m (50.5 ft); R: 7.7 m (25.3 ft); I: 3.9 m (12.8 ft) 3.6 mm: D: 49.7 m (163.1 ft); O: 19.9 m (65.3 ft); R: 9.9 m (32.5 ft); I: 5 m (16.4 ft)	Resolution	1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)
Video		Day/Night	Auto switch by ICR
Frame Rate		BLC	BLC/DWDR/HLC
Resolution		White Balance	Auto/Area WB
Day/Night		Gain Control	Auto; manual
BLC		Noise Reduction	2D NR
White Balance		Smart IR	Yes
Gain Control			
Noise Reduction			
Smart IR			

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HFW1200CMP-A-POC	2MP HDCVI POC Fixed IR Bullet Camera, PAL
	DH-HAC-HFW1200CMN-A-POC	2MP HDCVI POC 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])

