

# 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.

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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 CE UL (UL60950-1+CAN/CSA C22.2 No.60950-	
Min. Illumination		0.02 Lux/F1.9, 30 IRE, 0 Lux IR on				Certifications		
Illumination Distance		30m (98.4 ft)					Port	
Illuminator On/Off Control		Auto; manual					Video Output	Video output choices of CVI/TVI/AHD/oport
Illuminator Number		2 (IR light)					Audio Input	One channel built-in mic
Pan/Tilt/Rotation Range		Pan: 0°–360°					Power	
		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); < 9 (non-condensation)
Focal Length		2.8 mm; 3.6 mm					Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F); < 9 (non-condensation)
Max. Apertu	re	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
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Net Weight	0.35 Kg (0.8 lb)
	2.8 mm	38.6 m	5.4 m	7.7 m	3.9 m		Gross Weight	0.45 Kg (1.0 lb)
		(126.6 ft) 49.7 m	(50.5 ft) 19.9 m	(25.3 ft) 9.9 m	(12.8 ft) 5 m			
	3.6 mm	(163.1 ft)	(65.3 ft)	(32.5 ft)	(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.							

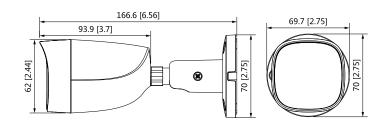
# Video

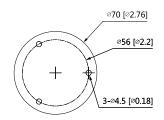
Frame Rate	CVI: 1080p@25/30 fps; 720p@25/30 fps; AHD: 1080p@25/30 fps; 720p@25/30 fps; TVI: 1080p@25/30 fps; 720p@25/30 fps; CVBS: 960H	
Resolution	1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)	
Day/Night	Auto switch by ICR	
BLC	BLC/DWDR/HLC	

# Dahua | DH-HAC-HFW1200CM-A

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

### Dimensions (mm[inch])





## **Accessories**

### Optional:







PFA130-E Water-proof Junction Box



PFA152-E Pole Mount Bracket



12V 1A Power Adapter



PFM904 Integrated Mount Tester

Ceiling Mount	Junction Mount	Pole Mount(Vertical)	