

DH-HAC-HFW1200CM (-A)

2MP HDCVI IR Bullet Camera



- Maximum 30 fps at 1080P
- CVI / CVBS / AHD / TVI switchable
- 3.6mm fixed lens (2.8mm, optional)
- Built-in microphone (-A)
- Max. IR length 30m, smart IR
- IP67, DC12V



Summary of the system

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series HDCVI 1080P camera features a compact design and offers high quality image at an affordable price. Offers various motorized/fixed lens models with multi-language OSD and switchable HD/SD output. Its structural flexibility and high economic performance make the camera an ideal choice for SMB solutions.

Features

4 signals on 1 coaxial cable

HDCVI technology supports transmission of 4 signals 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 a control signal or triggering an alarm. Additionally, HDCVI technology supports PoC for build flexibility.

*Audio input is available for some HDCVI camera models.

Transmission of long distance
HDCVI technology ensures real-time transmission over long distances without loss. Supports transmission up to 800m (1080p)

* Real results verified by real scene testing in Dahua testing laboratory.

Simplicity

HDCVI technology inherits the native characteristic of simplicity of traditional analog surveillance system, making it the best choice for protecting investment. The HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables Full HD video surveillance without the hassle of setting up a network.

Go clever

The camera is designed with IR LED illumination for better low light performance. Smart IR is a technology that ensures brightness uniformity in black and white images in low lighting. Dahua's exclusive Smart IR adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object and prevents the IR LEDs from overexposing images as the object approaches the camera.

Multiformat

The camera supports multiple video formats, including HDCVI, CVBS and two other common HD analog formats on the market. The four formats can be changed via OSD menu or by PFM820 (UTC controller). This feature makes the camera compatible with most end users' existing HD/SD DVRs.

OSD in several languages

The OSD menu provides multiple image adjustments and settings functions to meet the requirements of different monitoring scenes. The OSD menu includes settings such as backlight mode, day/night, white balance, privacy mask, and motion detection. The camera supports 11 languages for OSD menu, namely Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

The camera's excellent reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with an IP67 rating, making it suitable for indoor or outdoor environments. With a working temperature range of -40°C to +60°C (-40°F to +140°F), the camera is designed for extreme temperature environments. With an input voltage tolerance of $\pm 30\%$, this camera adapts to even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical specification						
Camera						
Image sensor		1/2.7 inch CMOS				
Max. Resolution		1920 (H) × 1080 (V)				
Pixel		2MP				
Scanning system		Progressive				
Electronic shutter speed		PAL: 1/25s – 1/100000s NTSC: 1/30s –1/100000s				
S/N Ratio		>65dB				
Min. Lighting		0.02Lux / F1.9, 30IRE, 0Lux IR on				
Illumination distance		30m(98.4ft)				
Illuminator on/off control		Car; manual				
Illuminator number		2				
Pan/Tilt/Rotation Range		Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°				
Lens						
Lens type		Fixed focal				
Mounting type		M12				
Focal length		2.8mm; 3.6 millimeters				
Max. Opening		F1.9				
Field of view		2.8mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6mm: 100° x 84° x 45° (diagonal x horizontal x vertical)				
Iris type		fixed iris				
Close focus distance		2.8mm: 0.5m (1.7ft) 3.6mm: 0.8m (2.6ft)				
DORI Distance	Lens	Detect	Notice	Recognize	Identify	
	2.8 millimeters	38.6 meters (126.6 ft)	15.4 meters (50.5 feet)	7.7 meters (25.3 ft)	3.9m (12.8 feet)	
	3.6 millimeters	49.7 meters (163.1 ft)	19.9m (65.3 ft)	9.9 meters (32.5 feet)	5m (16.4 ft)	
Video						
Frames per second		CVI: 1080P@25 /				
Resolution		1080P (1920 × 1080);				
Day Night		Automatic change by ICR				
BLC		BLC/HLC/DWDR				
WDR		DWDR				
White Balance		Car; manual				

Gain control	Car; manual
noise reduction	2DNR
Go clever	Yeah
Electronic defroster	Yeah
Mirror	Off in
Privacy masking	Off/On (8 areas, rectangle)
Certifications	
Certifications	CE (EN55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN55024: 2010 + A1: 2015, EN 55035: 2017, EN50130-4: 2011 + A1: 2014) FCC (CFR47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL60950-1 + CAN/CSA C22.2 No.60950-1)
Port	
Audio output	Built-in one-channel microphone (-A)
Video output	CVI / TVI / AHD / CVBS video output options via a BNC port
Energy	
Power supply	12V ±30%DC
Power consumption	Max.2.7W (12V DC, IR on)
Atmosphere	
Operating temperature	- 40°C to +60°C (-40°F to 140°F); <95% (non-condensing)
Storage temperature	- 40°C to +60°C (-40°F to 140°F); <95% (non-condensing)
Degree of protection	IP67
Structure	
Box	Metal throughout the case
Chamber dimensions	166.6mm×69.7mm×70.0mm (6.56"×2.75"×2.75")
Net weight	0.33kg (0.73lb)
Gross weight	0.43kg (0.95lb)

Ordering information

Writes	Part number	Description
2MP camera	DH-HAC-HFW1200CMP 2.8mm	2MP HDCVI IR Bullet Camera
	DH-HAC-HFW1200CMN 2.8mm	
	DH-HAC-HFW1200CMP 3.6mm	
	DH-HAC-HFW1200CMN 3.6mm	
	DH-HAC-HFW1200CMP-A 2.8mm	
	DH-HAC-HFW1200CMN-A 2.8mm	
	DH-HAC-HFW1200CMP-A 3.6mm	
Accessories	DH-HAC-HFW1200CMN-A 3.6mm	
	PFA134	Connections Box
	PFA130-E	IP66 Junction Box (for use alone or with PFA152-E pole mount)
	PFA152-E	Pole Mounting Bracket (for use with PFA130-E Junction Box)
	PFM800-E	HDCVI Passive Balun
	PFM321D	12V 1A power adapter
	PFM820	UTC Controller
	PFM904	Integrated assembly tester

Accessories

Optional:



PFA134
Connections Box



PFA130-E
IP66 junction box (to be used alone or with PFA152-E pole mount)



PFA152-E
Pole Mount Bracket
(For use with PFA130-E connections Box)



PFM800-E
HDCVI Passive Balun



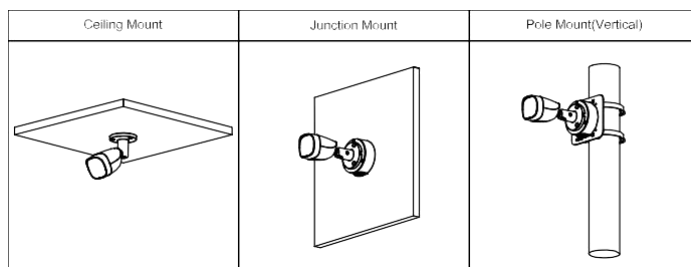
PFM321D
12V 1A power adapter



PFM820
UTC Controller



PFM904
Integrated assembly tester



Dimensions (mm [inches])

