

DH-HAC-HFW1221RP 2MP HDCVI IR Bullet Camera



- Max 30fps@1080P
- \cdot HD and SD output switchable
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 30m, Smart IR
- \cdot 130db true WDR
- IP67, DC12V



System Overview

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

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 800m(1080p)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.*

*This function is available for select models.

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 full HD video surveillance without the hassle of configuring a network.

Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Dahua HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Starlight

With the adoption of large sized high performance sensor and large aperture lens, the camera is able to provide incomparable performance even under extreme lowlight environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

Smart IR

The camera is designed with IR LED 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.

Multi-formats

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

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11

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Technical Specification					
Camera					
Image Sensor		1/2.7 inch CMOS			
Effective Pixels		1920(H)×1080(V), 2MP			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s			
S/N Ratio		>65dB			
Minimum Illumination		0.008Lux/F1.9, 30IRE, 0Lux IR on			
Fill Light Working Distance		30 m (98.4 ft)			
IR On/Off Control		Auto; manual			
IR LED Number		12			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Mount Type		M12			
Focal Length		2.8 mm; 3.6 mm; 6 mm			
Max. Aperture	:	F1.9			
Field of View		2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical) 6 mm: 60° x 56° x 30° (diagonal x horizontal x vertical)			
Iris Type		Fixed iris			
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft) 6 mm: 2 m (6.6 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
	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)
	6 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)
Video					

Gain Control	Auto; manual	
Noise Reduction	2D NR	
Smart IR	Yes	
Electronic Defog	Yes	
Mirror	Off/On	
Privacy Masking	Off/On (8 area, 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 (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
Port		
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Power		
Power Supply	12V ±30% DC	
Power Consumption	Max 3.1W (12V DC, IR on)	
Environment		
Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non- condensation)	
Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non- condensation)	
Protection Grade	IP67	
Structure		
Casing	Plastic throughout the whole casing	
Camera Dimensions	154.3 mm × 69.8 mm × 69.8 mm (6.07" × 2.75" × 2.75")	
Net Weight	0.15 Kg (0.33 lb)	
Gross Weight	0.22 Kg (0.49 lb)	

Video

Frame Rate	CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; CVBS: 960H
Resolution	1080P (1920×1080); 720P (1280×720); 960H (960× 576/960×480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/WDR
WDR	130 dB
White Balance	Auto; manual

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Ordering Information				
Туре	Part Number	Description		
2MP Camera	DH-HAC-HFW1221RP 2.8mm			
	DH-HAC-HFW1221RN 2.8mm			
	DH-HAC-HFW1221RP 3.6mm	2MP HDCVI IR Bullet Camera		
	DH-HAC-HFW1221RN 3.6mm			
	DH-HAC-HFW1221RP 6mm			
	DH-HAC-HFW1221RN 6mm			
Accessories	PFA134	Junction box		
	PFA130-E	IP66 Junction Box (For use alone or with PFA152-E pole mount)		
	PFA152-E	Pole Mount Bracket (For use with PFA130-E junction box)		
	PFM800-E	Passive HDCVI Balun		
	PFM321D	12V 1A Power Adapter		
	PFM820	UTC Controller		
	PFM904	Integrated Mount Tester		

Accessories

Optional:





PFA130-E

IP66 Junction Box

(For use alone or with

PFA152-E pole mount)



PFA152-E Pole Mount Bracket (For use with PFB204W)



PFM800-E

Passive HDCVI Balun

PFM904 Integrated Mount Tester

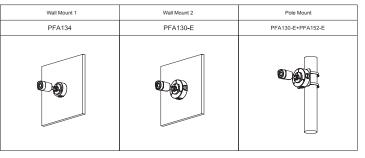


PFM321D

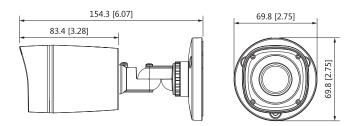


12V 1A Power Adapter

PFM820 UTC Controller



Dimensions (mm[inch])



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