

DH-HAC-HFW1500R-Z-IRE6(-A)

5MP Starlight HDCVI IR Bullet Camera



* The parameters and datasheets below can only be applied to 1500-S2 series.

- Max 25 fps@5MP (16:9 video output)
- CVI/CVBS/AHD/TVI switchable
- 2.7 mm–12 mm motorized lens
- Built-in mic(-A)
- Max. IR length 60 m, Smart IR
- IP67, 12V DC



System Overview

Experience 5MP full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 5MP 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 cost-performance make 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 700 m for 5MP HD video through coaxial cable, and up to 300 m through 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 full HD video surveillance without the hassle of configuring a network.

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. This feature makes the camera 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 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. With working temperature range of -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$), the camera is designed for extreme temperature environments. Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4kV lightning rating provides protection against the camera and its structure from the effects of lightning.

Lite Series | DH-HAC-HFW1500R-Z-IRE6(-A)

Technical Specification						White Balance		Auto; manual	
Camera						Gain Control		Auto; manual	
Image Sensor		1/2.7 inch CMOS				Noise Reduction		2D NR	
Max. Resolution		2880 (H) × 1620 (V)				Smart IR		Yes	
Pixel		5MP				Mirror		Off/On	
Scanning System		Progressive				Privacy Masking		Off/On (8 areas, rectangle)	
Electronic Shutter Speed		PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s				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, EN 62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
S/N Ratio		> 65 dB							
Min. Illumination		0.005 Lux/F1.6, 30IRE, 0 Lux IR on							
Illumination Distance		60 m (196.9 ft)							
Illuminator On/Off Control		Auto; manual				Port			
Illuminator Number		4							
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Audio Output		One channel built-in mic (-A)	
						Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Lens						Power			
Lens Type		Motorized vari-focal				Power Supply		DC 12V ±30%	
Auto Focus		N/A				Power Consumption		Max 9.8W (12V DC, IR on)	
Mount Type		φ14				Environment			
Focal Length		2.7 mm–12 mm							
Max. Aperture		F1.6				Operating Temperature		–30°C to +60°C (–22°F to +140°F); < 95% (non-condensation)	
Field of View		Diagonal: 39°–130° Horizontal: 34°–107° Vertical: 19°–55°				Storage Temperature		–30°C to +60°C (–22°F to +140°F); < 95% (non-condensation)	
Iris Type		Fixed iris				Protection Grade		IP67	
Close Focus Distance		0.5 m (1.64 ft)				Structure			
						Casing		Metal throughout the whole casing	
						Camera Dimensions		209.9 mm × 90.4 mm × 90.4 mm (8.26" × 3.56" × 3.56")	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Net Weight		0.55 kg (1.21 lb)	
	2.7 mm	69 m (226.37 ft)	27.6 m (90.55 ft)	13.8 m (45.27 ft)	6.9 m (22.63 ft)	Gross Weight		0.7 kg (1.54 lb)	
	12 mm	191.6 m (628.6 ft)	76.64 m (251.44 ft)	38.32 m (125.72 ft)	19.16 m (62.86 ft)				
Video						Ordering Information			
Frame Rate		CVI: PAL: 5M@25 fps; 4M@25 fps; 1080P@25 fps NTSC: 5M@25 fps; 4M@30 fps; 1080P@30 fps AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H				5MP Starlight Camera	DH-HAC-HFW1500RP-Z-IRE6 2.7 mm–12 mm		5MP Starlight HDCVI IR Bullet Camera
							DH-HAC-HFW1500RN-Z-IRE6 2.7 mm–12 mm		
Resolution		5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)					DH-HAC-HFW1500RP-Z-IRE6-A 2.7 mm–12 mm		
Day/Night		Auto switch by ICR					DH-HAC-HFW1500RN-Z-IRE6-A 2.7 mm–12 mm		
BLC		BLC/HLC/DWDR				Accessories	PFA13G		Junction Box
WDR		DWDR					PFA130-E		IP66 Junction box (Use alone or with PFA152-E pole mount)
							PFA152-E		Pole Mount Bracket (Use with PFB211W)

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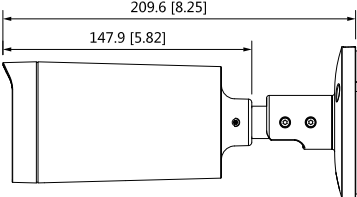
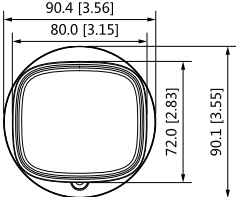
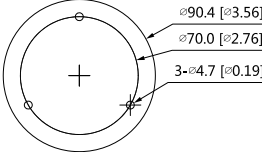
	PFM800-4K	Passive HDCVI Balun
	PFM321	12V 1A Power Adapter
	PFM320D-015	12V 1.5A Power Adapter
	PFM820 (Only 1080p and below are available)	UTC Controller
	PFM904	Integrated Mount Tester

Installation

Ceiling Mount

Wall Mount

Pole Mount(Vertical)

Accessories	Dimensions (mm [inch])
Optional:	
 PFA13G Junction Box  PFA130-E IP66 Junction box (For use alone or with PFA152-E pole mount)  PFA152-E Pole Mount Bracket (For use with PFB211W)	  
 PFM800-4K Passive HDCVI Balun  PFM321 12V 1A Power Adapter  PFM320D-015 12V 1.5A Power Adapter	
 PFM820 (Only 1080P and below are available) Ceiling Mount Bracket UTC Controller  PFM904 Integrated Mount Tester	