

DH-HAC-HFW1230R-Z-IRE6

2MP Starlight HDCVI IR Bullet Camera

HDCVI



- Starlight
- Max. 30fps@1080P
- HD and SD output switchable
- 2.7-12mm motorized lens
- Max. IR length 60m, Smart IR
- IP67, DC12V



System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The 1080P starlight HDCVI camera presents a high quality image with rich details even under extreme low-light conditions. Also, the Lite series features compact design and friendly price. It offers various motorized vari-focal/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance 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.*

*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.

Starlight

With the adoption of high performance sensor, 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 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 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments.

Supporting ±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.

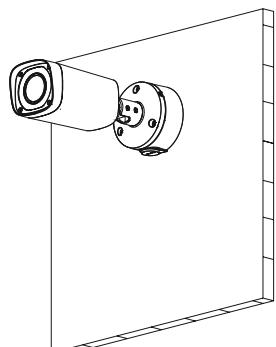
Technical Specification				Day/Night	Auto (ICR) / Manual			
Camera				OSD Menu	Multi-language			
Image Sensor	1/2.8" CMOS			BLC Mode	BLC / HLC / DWDR			
Effective Pixels	1920(H)×1080(V), 2MP			WDR	DWDR			
Scanning System	Progressive			Gain Control	AGC			
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s			Noise Reduction	2D			
Minimum Illumination	0.005Lux/F1.8, 30IRE, 0Lux IR on			White Balance	Auto / Manual			
S/N Ratio	More than 65dB			Smart IR	Auto / Manual			
IR Distance	Up to 60m (197feet)			Certifications				
IR On/Off Control	Auto / Manual			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)			
IR LEDs	4			Interface				
Lens								
Lens Type	Motorized lens / Fixed iris			Audio Interface	N/A			
Mount Type	Board-in			Electrical				
Focal Length	2.7-12mm			Power Supply	12V DC ±30%			
Max Aperture	F1.8			Power Consumption	Max 12.1W (12V DC, IR on)			
Angle of View	H: 101.7°~32.3°			Environmental				
Focus Control	Motorized			Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH * Start up should be done at above-30°C (-22°F)			
Auto Focus	N/A			Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH			
Close Focus Distance	200mm 7.87"			Ingress Protection & Vandal Resistance	IP67			
DORI Distance								
Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.								
	DORI Definition	Distance		Construction				
		Wide	Tele	Casing	Aluminium			
Detect	25px/m (8px/ft)	47m(153ft)	137m(448ft)	Dimensions	209.9mm×90.4mm×90.4mm (8.26"×3.56"×3.56")			
Observe	63px/m (19px/ft)	19m(61ft)	55m(179ft)	Net Weight	0.55kg (1.21lb)			
Recognize	125px/m (38px/ft)	9m(31ft)	27m(90ft)	Gross Weight	0.70kg (1.54lb)			
Identify	250px/m (76px/ft)	5m(15ft)	14m(45ft)					
Pan / Tilt / Rotation								
Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 87° Rotation: 0° ~ 360°							
Video								
Resolution	1080P (1920×1080)							
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P							
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)							

Ordering Information

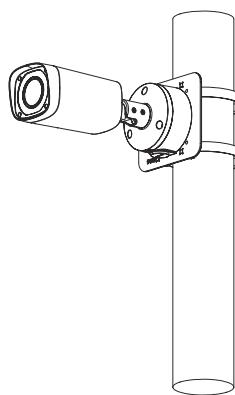
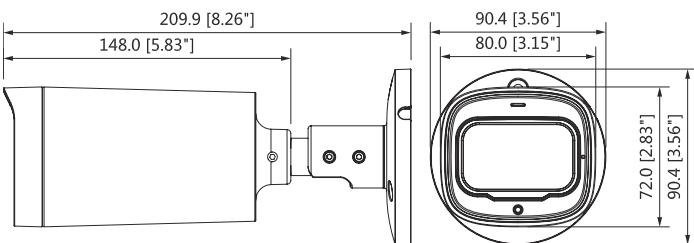
Type	Part Number	Description
2MP Camera	DH-HAC-HFW1230RP-Z-IRE6	2MP Starlight HDCVI IR Bullet Camera, PAL
	DH-HAC-HFW1230RN-Z-IRE6	2MP Starlight HDCVI IR Bullet Camera, NTSC
Accessories	PFA130-E	Junction box (For use alone or with PFA152-E pole mount)
	PFA152-E	Pole mount (For use with PFA130-E junction box)
	PFM820	UTC Controller
	PFM800-E	Passive HDCVI Balun
	PFM800-4K	Passive Video Balun
	PFM800B-4K	Passive Video Balun
	PFM320D-015	12V 1.5A Power Adapter
	PFM300	12V 2A Power Adapter

Junction Mount

PFA130-E

**Pole Mount**

PFA130-E + PFA152-E

**Dimensions (mm/inch)****Accessories**

Optional:

PFA130-E
Junction boxPFA152-E
Pole mountPFM820
UTC ControllerPFM800-E
Passive HDCVI BalunPFM800-4K
Passive Video BalunPFM800B-4K
Passive Video BalunPFM320D-015
Power AdapterPFM300
Power Adapter