

DH-HAC-HFW1500CM(-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
- · 3.6 mm fixed lens (2.8 mm optional)
- \cdot Max. IR length 30m, Smart IR
- · Built-in mic(-A)
- · IP67, DC12V













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 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 700 m for 5MP HD video via coaxial cable, and up to 300 m 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.

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 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-40 °C to +60 °C (-40 °F to +140 °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-HFW1500CM(-A)

CVBS: PAL: 960H; NTSC: 960H

Resolution

Day/Night

BLC

PAL: 4M@25 fps; NTSC: 4M@30 fps

Auto switch by ICR

BLC/HLC/DWDR

5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)

Technical Specification						WDR	DWDR
Camera					White Balance	Auto; manual	
Image Sensor		1/2.7 inch CMOS				Gain Control	Auto; manual
Max. Resolution		2880 (H) × 1620 (V)				Noise Reduction	2D NR
Pixel		5MP				Smart IR	Yes
Scanning System		Progressive				Mirror	Off/On
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Privacy Masking	Off/On (8 area, rectangle)
S/N Ratio		>65 dB				Certifications	
Min. Illumination		0.01 Lux/F1.6, 30IRE, 0 Lux IR on				Certifications	CE (EN 55032:2015, EN 61000-3-2:2014, EN 6103:2013, EN 55024:2010+A1:2015, EN 55035:2050130-4:2011+A1:2014, EN 62368-1:2014+A11FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-
Illumination Distance		30 m (98.4 ft)					
Illuminator On/Off Control		Auto; manual					UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Illuminator Number		3				Port	
0 (71) (0 : : : :		Pan: 0°–360°				Audio Interface	One channel built-in mic (-A)
Pan/Tilt/Rotation Range		Tilt: 0°–90° Rotation: 0°–360°				Video Output	Video output choices of CVI/TVI/AHD/CVBS b BNC port
.ens						Power	
Lens Type		Fixed-focal				Power Supply	12V ±30% DC
Mount Type		M12				Power Consumption	Max 3.7W (12V DC, IR on)
Focal Length		2.8 mm; 3.6 mm				Environment	
Max. Aperture		F1.6				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)
Field of View		2.8 mm: 132° × 111° × 58° (diagonal × horizontal × vertical) 3.6 mm: 109° × 92° × 48° (diagonal × horizontal × vertical)				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)
						Protection Grade	IP67
Iris Type		Fixed iris				Structure	
Close Focus Distance		2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.6 m (5.2 ft)				Casing	Metal throughout the whole casing
						Camera Dimensions	166.6mm×69.7mm×70.0mm (6.56"×2.75"×2.7
	Lens	Detect	Observe	Recognize	Identify	Net Weight	0.33 kg (0.73 lb)
DORI Distance	2.8 mm	63.6 m (208.7 ft)	25.4 m (83.3 ft)	12.7 m (41.7 ft)	6.4 m (21.0ft)	Gross Weight	0.43 kg (0.95 lb)
	3.6 mm	80 m (262.5 ft)	32 m (105.0 ft)	16 m (52.5 ft)	8 m (26.2 ft)		
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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:					

Ordering Information Description Part Number Туре DH-HAC-HFW1500CMP 2.8mm DH-HAC-HFW1500CMN 2.8mm DH-HAC-HFW1500CMP-A 2.8mm DH-HAC-HFW1500CMN-A 2.8mm 5MP HDCVI IR Bullet Camera 5MP Camera DH-HAC-HFW1500CMP 3.6mm HFW1500CMN 3.6mm DH-HAC-HFW1500CMP-A 3.6mm DH-HAC-HFW1500CMN-A 3.6mm PFA134 Junction Box IP66 Junction Box (For use alone or with PFA130-E PFA152-E pole mount) Pole Mount Bracket (For use with PFA130-E PFA152-E junction box) Accessories Passive HDCVI Balun PFM800-4K 12V 1A Power Adapter PFM321D 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)



PFM800-4K Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

Ceiling Mount	Junction Mount	Pole Mount(Vertical)	
OP.			

Dimensions (mm[inch])



