

DH-HAC-HFW1500TL-A

5MP Starlight HDCVI IR Bullet Camera



- * The parameters and datasheets below can only be applied to 1500-S2 series.
- * In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 or later version.
- · Max 25fps@5MP (16:9 video output)
- · CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens (2.8 mm, 6 mm, 8 mm optional)
- · Built-in mic
- · Max. IR length 80m, Smart IR
- · 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.*

stActual 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

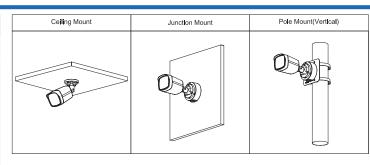
The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments.

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.

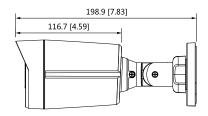
Lite Series | DH-HAC-HFW1500TL-A

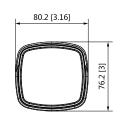
Technical Specification						Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)
Camera					Day/Night	Auto switch by ICR	
Image Sensor		1/2.7 inch CMOS				BLC	BLC/HLC/DWDR
Max. Resolution		2880 (H) × 1620 (V)				WDR	DWDR
Pixel		5MP				White Balance	Auto; manual
Scanning System		Progressive				Gain Control	Auto; manual
Electronic Shutter Speed		PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Noise Reduction	2D NR
S/N Ratio		>65 dB				Smart IR	Yes
Min. Illumination		0.01 Lux/F1.6, 30IRE, 0 Lux IR on				Mirror	Off/On
Illumination Distance		80 m (262.5 ft)				Privacy Masking	Off/On (8 area, rectangle)
Illumination On/Off Control		Auto; manual				Certifications	
Illuminator Number		2					CE (EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Certifications	3:2013, EN 55024:2010+A1:2015, EN 55035:2017, EN 50130-4:2011+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)
Lens						Port	
Lens Type		Fixed-focal				Audio Interface	One channel built-in mic
Mount Type		M12				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Focal Length		2.8 mm; 3.6 mm; 6 mm; 8 mm				Power	
Max. Aperture		F1.6				Power Supply	12V ±30% DC
Field of View		2.8 mm: 132° × 111° × 58° (diagonal × horizontal × vertical) 3.6 mm: 109° × 92° × 48° (diagonal × horizontal × vertical) 6 mm: 65° × 57° × 30° (diagonal × horizontal × vertical)				Power Consumption	Max 5.2W (12V DC, IR on)
						Environment	40001 1000(4001 4400) 000(4
Iris Type		8 mm: 48° × 43° × 24° (diagonal × horizontal × vertical) Fixed iris				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non- condensation)
Close Focus Distance		2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.6 m (5.2 ft) 6 mm: 3.1 m (10.2 ft) 8 mm: 4.9 m (16.1 ft)				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)
						Protection Grade	IP67
	Lens	Detect	Observe	Recognize	Identify	Structure	
DORI Distance		63.6 m	25.4 m	12.7 m	6.4 m	Casing	Metal front cover+plastic main body+plastic bracket
	2.8 mm	(208.7 ft)	(83.3 ft)	(41.7 ft)	(21.0 ft)	Camera Dimensions	198.9 mm × 80.2 mm × 76.2 mm (7.83" × 3.16" × 3.00"
	3.6 mm	80 m (262.5 ft)	32 m (105.0 ft)	16 m (52.5 ft)	8 m (26.2 ft)	Net Weight	0.27 kg (0.60 lb)
	6 mm	120 m (393.7 ft)	48 m (157.5 ft)	24 m (78.7 ft)	12 m (39.4 m)	Gross Weight	0.46 kg (1.01 lb)
	8 mm	150.4 m (493.4 ft)	60.2 m (197.5 ft)	30.1 m (98.8 ft)	15 m (49.2 ft)		
Video							
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					

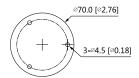
Ordering Information							
Туре	Part Number	Description					
	DH-HAC- HFW1500TLP-A 2.8mm						
	DH-HAC- HFW1500TLN-A 2.8mm						
	DH-HAC- HFW1500TLP-A 3.6mm						
EMD Camana	DH-HAC- HFW1500TLN-A 3.6mm	5MP HDCVLIR Bullet Camera					
5MP Camera	DH-HAC- HFW1500TLP-A 6mm	SIMP PIDEVI IN BUIIET CATHELA					
	DH-HAC- HFW1500TLN-A 6mm						
	DH-HAC- HFW1500TLP-A 8mm						
	DH-HAC- HFW1500TLN-A 8mm						
	PFA134	Junction Box					
	PFA130-E	IP66 Junction Box (For use alone or with PFA152-E pole mount)					
Accessories	PFA152-E	Pole Mount Bracket (For use with PFA130-E junction box)					
	PFM800-4K	Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					



Dimensions (mm[inch])







Accessories

Optional:



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)



PFM800-4K Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester