

DH-HAC-HFW1500TL-A

5MP Starlight HDCVI IR Bullet Camera



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

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 comes 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.

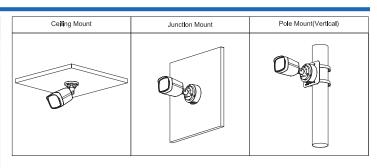
Protection

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.

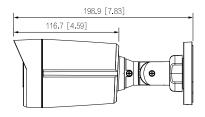
With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4kV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification						Video	
Camera	,	1/2.7 inch CMOS					CVI: PAL: 5M@25 fps; 4M@25 fps; 1080P@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080P@30 fps
Image Sensor Max. Resolution		2880 (H) × 1620 (V)					AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H
Pixel		5MP				Frame Rate	
Scanning System		Progressive					
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s					
S/N Ratio		> 65 dB				Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)
Min. Illumination		0.005 Lux/F1.6, 30IRE, 0 Lux IR on				Day/Night	Auto switch by ICR
Illumination Distance		80 m (262.5 ft)				BLC	BLC/HLC/DWDR
Illumination On/Off Control		Auto; manual				WDR	DWDR
Illuminator Number		2				White Balance	Auto; manual
Pan/Tilt/Rotation Range		Pan: 0°–360°				Gain Control	Auto; manual
		Tilt: 0°–90° Rotation: 0°–360°				Noise Reduction	2D NR
Lens						Smart IR	Yes
Lens Type		Fixed-focal				Mirror	Off/On
Mount Type		M12				Privacy Masking	Off/On (8 areas, rectangle)
Focal Length		2.8 mm; 3.6 mm; 6 mm; 8 mm				Certifications	
Max. Aperture Field of View		F1.6 2.8 mm: 132° × 111° × 58° (diagonal × horizontal × vertical) 3.6 mm: 109° × 92° × 48° (diagonal × horizontal × vertical)				Certifications	CE (EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, 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)
		6 mm: 65° × 57° × 30° (diagonal × horizontal × vertical) 8 mm: 48° × 43° × 24° (diagonal × horizontal × vertical)				Port	
Iris Type		Fixed iris				Audio Interface	One channel built-in mic
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)				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
						Power	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Power Supply	12V ±30% DC
	2.8 mm	63.6 m (208.7 ft)	25.4 m (83.3 ft)	12.7 m (41.7 ft)	6.4 m (21.0 ft)	Power Consumption	Max 5.2W (12V DC, IR on)
	3.6 mm	80 m	32 m	16 m	8 m	Environment	
		(262.5 ft) 120 m	(105.0 ft) 48 m	(52.5 ft) 24 m	(26.2 ft) 12 m	Operating Temperature	-40°C to +60°C (-40°F to 140°F); < 95% (non- condensation)
	6 mm	(393.7 ft)	(157.5 ft)	(78.7 ft)	(39.4 m) 15 m	Storage Temperature	-40°C to +60°C (–40°F to 140°F); < 95% (noncondensation)
	8 mm	(493.4 ft)	(197.5 ft)	(98.8 ft)	(49.2 ft)	Protection Grade	IP67
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent					Structure	
					telligent	Casing	Mental front cover+plastic main body+plastic bracket
		function distances, refer to installation and commissioning manual/ project design tool.				Camera Dimensions	198.9 mm × 80.2 mm × 76.2 mm (7.83" × 3.16" × 3.00"
						Net Weight	0.27 kg (0.60 lb)
						Gross Weight	0.46 kg (1.01 lb)

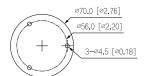
Outside Information								
Ordering Information								
Туре	Part Number	Description						
	DH-HAC- HFW1500TLP-A 2.8 mm							
	DH-HAC- HFW1500TLN-A 2.8 mm							
	DH-HAC- HFW1500TLP-A 3.6 mm							
5MP Camera	DH-HAC- HFW1500TLN-A 3.6 mm	5MP HDCVI IR Bullet Camera						
SIVIP Calliela	DH-HAC- HFW1500TLP-A 6 mm	SIMP FIDEVI IN BUIIEL CAITELA						
	DH-HAC- HFW1500TLN-A 6 mm							
	DH-HAC- HFW1500TLP-A 8 mm							
	DH-HAC- HFW1500TLN-A 8 mm							
	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