

DH-HAC-HDW1500TLM(-A)

5MP Starlight HDCVI IR Eyeball 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 25 fps@5MP (16:9 video output)
- · CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens (2.8 mm optional)
- · Built-in mic (-A)
- · Max. IR length 30 m, Smart IR
- · IP67, DC12V













System Overview

Lite Series is suitable for users who requires high quality monitoring products at a reasonable price. It is cost effective and offers high performance, which makes it an ideal choice for residential and small-medium business applications. This series offers an option of a wide range of technologies such as Full-color and Starlight, providing various solutions for different scenarios.

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.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

* 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 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m 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 high definition video surveillance without the hassle of configuring a network.

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.

Smart Illumination

The camera is designed with IR 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.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Lite Series | DH-HAC-HDW1500TLM(-A)

Technical S	Specification	1				Gain Control	Auto/Manu
Camera						Noise Reduction	2D NR
Image Sensor		5MP CMOS				Smart IR	Yes
Max. Resolutio	on	2880 (H) × 1	620 (V)			Mirror	Off/On
Pixel		5MP				Privacy Masking	Off/On (8 a
Scanning Syste	em	Progressive				Certifications	
Electronic Shu	tter Speed	PAL: 1/25 s- NTSC: 1/30 s	1/100000 s s–1/100000 s			Certifications	CE (EN5503 FCC (CFR 47 UL (UL6095
S/N Ratio		> 65 dB				Port	01 (010033
Min. Illuminati	on	0.005 Lux/F:	1.6, 30IRE, 0 Lu	ıx IR on			Video outp
Illumination Di	istance	30 m (98.4 ft	t)			Video Output	BNC port
Illuminator On	/Off Control	Auto; manua	al			Audio Input	One channe
Illuminator Nu	mber	1 (IR light)				Power	
Pan/Tilt/Rotat	ion Range	Pan: 0°-360° Tilt: 0°-78°	9			Power Supply	12V ±30% [
Tuny They Notat	ion nange	Rotation: 0°-	-360°			Power Consumption	Max 3.2W (
Lens						Environment	
Lens Type		Fixed lens				Operating Temperature	-40°C to +6
Mount Type Focal Length		M12 2.8mm; 3.6r	nm;			Storage Temperature	-40°C to +6 condensati
Max. Aperture	1	F1.6	•			Protection Grade	IP67
			1° V:58° D:132	•		Structure	
Field of View		3.6mm: H:92	2° V:48° D:109	•		Casing	Metal thro
Iris Type		Fixed				Camera Dimensions	ф94.0 mm
Close Focus Di	stance	2.8 mm: 0.9 3.6 mm: 1.6				Net Weight	0.33 kg (0.7
	Lens	Detect	Observe	Recognize	Identify	Gross Weight	0.47 kg (1.0
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)		
	3.6 mm	80.0 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 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: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 ×1080); 960 H (960 × 576/960 × 480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto; Area WB

Gain Control	Auto/Manual		
Noise Reduction	2D NR		
Smart IR	Yes		
Mirror	Off/On		
Privacy Masking	Off/On (8 area, rectangle)		
Certifications			
Certifications	CE (EN55032, EN55024, EN50130-4, EN62368-1) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)		
Port			
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port		
Audio Input	One channel built-in mic (-A)		
Power			
Power Supply	12V ±30% DC		
Power Consumption	Max 3.2W (12V DC, IR on)		
Environment			
Operating Temperature	-40°C to +60°C (-40°F to 140°F); $<$ 95% (noncondensation)		
Storage Temperature	-40°C to +60°C (-40°F to 140°F); < 95% (noncondensation)		
Protection Grade	IP67		
Structure			
Casing	Metal throughout the whole casing		
Camera Dimensions	φ94.0 mm × 85.7 mm (φ3.70" × 3.37")		
Net Weight	0.33 kg (0.73 lb)		
Gross Weight	0.47 kg (1.04 lb)		

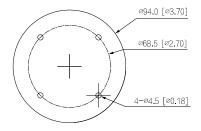
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Ordering Information					
Туре	Part Number	Description			
5MP Camera	DH-HAC- HDW1500TLMP	5MP Starlight HDCVI IR Eyeball Camera, PAL			
	DH-HAC- HDW1500TLMN	5MP Starlight HDCVI IR Eyeball Camera, NTSC			
	DH-HAC- HDW1500TLMP-A	5MP Starlight HDCVI IR Eyeball Camera, PAL			
	DH-HAC- HDW1500TLMN-A	5MP Starlight HDCVI IR Eyeball Camera, NTSC			
	PFA13A-E	Junction box			
	PFB205W	Wall Mount Bracket			
	PFA152-E	Pole Mount Bracket			
Accessories	PFA106	Adapter plate			
Accessories	PFB220C	Ceiling Mount Bracket			
	PFM800-4K	Passive HDCVI Balun			
	PFM321	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			

Junction Mount	Celling Mount	Wall Mount
Pole Mount (Vertical)		

Dimensions (mm[inch])

86.7 [3.37]



Accessories

Optional:



PFA13A-E Junction box



PFB205W Wall Mount Bracket



PFA152-E Pole Mount Bracket



PFA106 Mount Adapter



PFB220C Ceiling Mount Bracket



PFM800-4K Passive HDCVI Balun



PFM321 12V 1A Power Adapter



PFM904 Integrated Mount Tester