

DH-HAC-HDW2501TLM-A-POC

5MP Starlight HDCVI POC IR Eyeball Camera



The parameters and datasheets below can only be applied to2501-S2 series.
In order to use the SMP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.000001.0.R.200908 or later version.

- · Max 25 fps@5MP (16:9 video output)
- Starlight, 120 dB true WDR, 3D NR
- · CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens (2.8 mm optional)
- Built-in mic
- · Max. IR length 30 m, Smart IR
- · IP67, POC (only CVI)/12V±30% DC



System Overview

PoC Series features camera powered directly by the recorder over the same coaxial cable in which video is transmitted. Dahua PoC transmission distance can reach up to 400 meters for AF cameras and 200 meters for AT cameras, that can help decrease material and installation cost and simplify the system.

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.

*Actual results verified by real-scene testing in Dahua's test laboratory.

Starlight

With the adoption of large sized high performance sensor and large aperture lens, 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.

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.

Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Dahua HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

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 $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

PoC Series | DH-HAC-HDW2501TLM-A-POC

Technical Specification

Camera

Camera					
Image Sensor		5MP CMOS			
Max. Resolution		2880 (H) × 1620 (V)			
Pixel		5MP			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/3 s-1/100,000 s NTSC: 1/4 s-1/100,000 s			
S/N Ratio		>65dB			
Min. Illumination		0.001 Lux/F1.6, 30IRE, 0Lux IR on			
Illumination Distance		30 m (98.4 ft)			
Illuminator On/Off Control		Auto; manual			
Illuminator Number		1 (IR light)			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed lens			
Mount Type		M12			
Focal Length		2.8 mm; 3.6 mm;			
Max. Aperture		F1.6			
Field of View		2.8 mm:H:111° V:58° D:132° 3.6 mm: H:92° V:48° D:109°			
Iris Type		Fixed			
Close Focus Distance		2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.6 m (5.2 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	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)
	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)

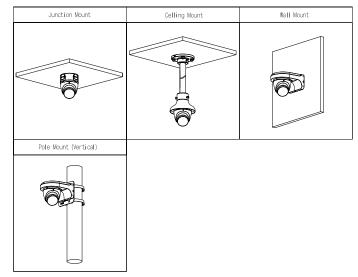
Video

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
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/WDR/HLC-Pro
WDR	120dB
White Balance	Auto; Area WB

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Port					
ne					
One channel built-in mic					

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Ordering Information					
Туре	Part Number	Description			
5MP Camera	DH-HAC- HDW2501TLMP-A-POC	5MP Starlight HDCVI POC IR Eyeball Camera, PAL			
	DH-HAC- HDW2501TLMN-A-POC	5MP Starlight HDCVI POC IR Eyeball Camera, NTSC			
	PFA13A-E	Junction box			
Accessories	PFB205W	Wall Mount Bracket			
	PFA152-E	Pole Mount Bracket			
	PFA106	Adapter plate			
	PFB220C	Ceiling Mount Bracket			
	PFM800-4K	Passive HDCVI Balun			
	PFM321	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			



Dimensions (mm[inch])

Accessories

Optional:



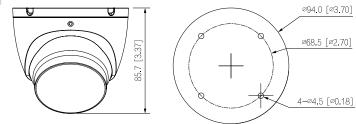
PFA13A-E Junction box



PFB205W Wall Mount Bracket



PFA152-E Pole Mount Bracket





PFA106 Mount Adapter



PFB220C Ceiling Mount Bracket



PFM800-4K Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

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