

DH-HAC-HDW1500TMQ(-A)

5MP Starlight HDCVI Quick-to-install IR Eyeball 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
- · Quick-to-install eyeball saves installation time
- · 3.6 mm fixed lens (2.8 mm, 6 mm optional)
- · Built-in mic(-A)
- · Max. IR length 60 m, 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.

Easy Installation

HDCVI Quick-to-install eyeball adopts quick-to-install pedestal, which can achieve easier installation than conventional eyeball. Quick-to-install camera reduces time and labor costs.

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-HDW1500TMQ(-A)

Resolution

Day/Night

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

Auto switch by ICR

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

CVBS: PAL: 960H; NTSC: 960H

Technical Specification						BLC	BLC/HLC/DWDR
Camera						WDR	DWDR
mage Sensor		1/2.7 inch CMOS				White Balance	Auto; manual
ax. Resolutio	on	2880 (H) × 1620 (V)				Gain Control	Auto; manual
Pixel		5MP				Noise Reduction	2D NR
Scanning System		Progressive				Smart IR	Yes
ectronic Shu	tter Speed	PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Mirror	Off/On
'N Ratio		>65 dB				Privacy Masking	Off/On (8 area, rectangle)
lin. Illuminati	on	0.01 Lux/F1.6, 30IRE, 0 Lux IR on				Certifications	
Illumination Distance		60 m (196.9 ft)				Certifications	CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014, EN 62361:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-20
Illuminator On/Off Control		Auto; manual					
lluminator Number		2					UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Pan/Tilt/Rotation Range		Pan: 0°-360 Tilt: 0°-78°				Port	
		Rotation: 0°-	-360°			Audio Interface	One channel built-in mic (-A)
ens						Video Output	Video output choices of CVI/TVI/AHD/CVBS by of BNC port
Lens Type		Fixed-focal				Power	
Mount Type		M12				Power Supply	12V ±30% DC
Focal Length		2.8 mm; 3.6	mm; 6 mm			Power Consumption	Max 5.2W (12V DC, IR on)
Max. Aperture		F1.6				Environment	
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)				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)
Iris Type		Fixed iris				Protection Grade	IP67
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)				Structure	
						Casing	Metal dome+metal cover+plastic decorative rin
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Camera Dimensions	φ121.9 mm × 99.1 mm (φ4.8" × 3.9")
	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)	Net Weight	0.4 kg (0.88 lb)
	3.6 mm	80 m (262.5 ft)	32 m (105.0 ft)	16 m (52.5 ft)	8 m (26.2 ft)	Gross Weight	0.6 kg (1.32 lb)
	6 mm	120 m (393.7 ft)	48 m (157.5 ft)	24m (78.7 ft)	12m (39.4 ft)		
'ideo		(030.7 10)	(237.3 10)	(70.71.6)	(551110)		

Ordering Information Description Part Number Туре DH-HAC-HDW1500TMQP 2.8mm DH-HAC-HDW1500TMQN 2.8mm DH-HAC-HDW1500TMQP 3.6mm DH-HAC-HDW1500TMQN 3.6mm DH-HAC-HDW1500TMQP 6mm DH-HAC-HDW1500TMQN 6mm 5MP HDCVI IR Eyeball Camera 5MP Camera DH-HAC-HDW1500TMQP-A 2.8mm DH-HAC-HDW1500TMQN-A 2.8mm DH-HAC-HDW1500TMQP-A 3.6mm DH-HAC-HDW1500TMQN-A 3.6mm DH-HAC-HDW1500TMQP-A 6mm DH-HAC-HDW1500TMQN-A 6mm PFA137 Junction Box PFA130-E P66 Junction Box Wall Mount Bracket (For use alone or with PFB205W PFA152-E) Accessories Pole Mount Bracket (For use with PFB205W) PFA152-E Passive HDCVI Balun PFM8000-4K 12V 1A Power Adapter PFM321D Integrated Mount Tester PFM904

Accessories

Optional:







PFA137 Junction Box

PFA130-E P66 Junction Box

PFB205W Wall Mount Bracket (For use alone or with PFA152-E)







PFA152-E Pole Mount Bracket (For use with PFB204W)

PFM800-4K Passive HDCVI Balun

PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

Junction Mount	Wall Mount	Pole Mount(Vertical)

Dimensions (mm[inch])

