

DH-HAC-HDW1200TMQ-Z-A-POC

2MP HDCVI POC Motorized Vari-focal IR Quick-to-install Eyeball Camera



* The parameters and datasheets below can only be applied to 1200-S5-POC series.

- Max 30 fps@1080P.
- Quick-to-install eyeball saves installation time.
- 2.7mm-12mm motorized lens.
- CVI/CVBS/AHD/TVI switchable.
- Built-in mic.
- Max. IR length 60m, Smart IR.
- IP67, PoC (only CVI)/12V±30% DC.



Series Overview

Built for convenience, the PoC Series features highly reliable cameras that are powered directly by recorders on the same coaxial cable* that its videos are transmitted over. HDCVI PoC technology greatly reduces material and installation cost, making it an ideal choice for customers who are on a tight budget and are working with scenes that require complex deployment.

*We recommend choosing RG59 or RG6 cable for PoC transmission.

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 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.

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.

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.

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.

Protection (IP67, wide voltage)

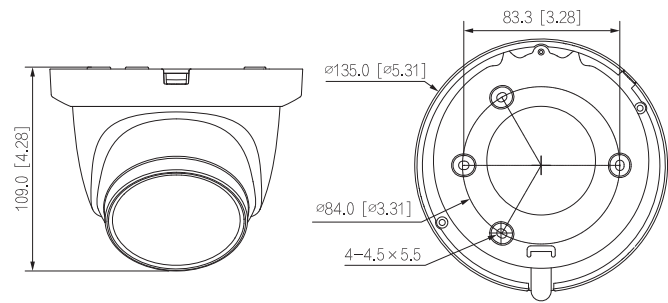
IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

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.

Technical Specification						Day/Night		Auto switch by ICR	
Camera						BLC		BLC/DWDR/HLC	
Image Sensor		2MP CMOS				White Balance		Auto/Area WB	
Max. Resolution		1920 (H) × 1080 (V)				Gain Control		Auto; manual	
Pixel		2MP				Noise Reduction		2D NR	
Scanning System		Progressive				Smart IR		Yes	
Electronic Shutter Speed		PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s				Mirror		Yes	
S/N Ratio		> 65 dB				Privacy Masking		Off/On (8 area, rectangle)	
Min. Illumination		0.02 Lux/F1.7, 30 IRE, 0 Lux IR on				Certifications			
Illumination Distance		60 m (196.9 ft)				CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)			
Illuminator On/Off Control		Auto;				Port			
Illuminator Number		2 (IR light)				Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Audio Input		One channel built-in mic	
Lens						Power			
Lens Type		Motorized Vari-focal				Power Supply		POC (only CVI)/12V±30% DC	
Auto Focus		N/A				Power Consumption		Max6.4W (12 VDC, IR on); PoC (AT)	
Mount Type		φ14				Environment			
Focal Length		2.7 mm–12 mm				Operating Temperature		–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)	
Max. Aperture		F1.7				Storage Temperature		–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)	
Field of View		Diagonal: 38°– 125° Horizontal: 33°–102° Vertical: 19°– 53°				Protection Grade		IP67	
Iris Type		Fixed				Structure			
Close Focus Distance		1.2 m (3.9 ft)				Casing		Metal dome+metal cover+plastic decorative ring	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Camera Dimensions		Φ135 mm × 109 mm (Φ5.31" × 4.28")	
	2.7 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 ft)	Net Weight		0.54 Kg (1.2 lb)	
	12 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)	Gross Weight		0.71 Kg (1.6 lb)	
	*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 function distances, refer to installation and commissioning manual/ project design tool.								
Video									
Frame Rate		CVI: 1080p@25/30fps; 720p@25/30fps; AHD: 1080p@25/30fps; 720p@25/30fps; TVI: 1080p@25/30fps; 720p@25/30fps; CVBS: 960H							
Resolution		1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)							

Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HDW1200TMQP-Z-A-POC	2MP HDCVI POC Motorized Vari-focal IR Quick-to-install Eyeball Camera, PAL
	DH-HAC-HDW1200TMQN-Z-A-POC	2MP HDCVI POC Motorized Vari-focal IR Quick-to-install Eyeball Camera, NTSC
Accessories (Optional)	PFA13F	Junction Box
	PFB211W	Wall Mount Bracket
	PFA152-E	Pole Mount Bracket
	PFA10C	Mount Adapter
	PFB220C	Ceiling Mount Bracket
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

Dimensions (mm[inch])



Accessories

Optional:



PFA13F
Junction Box



PFB211W
Wall Mount Bracket



PFA152-E
Pole Mount Bracket



PFA10C
Mount Adapter



PFB220C
Ceiling Mount Bracket



PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester

Junction Mount	Wall Mount	Pole Mount(Vertical)