

# 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.

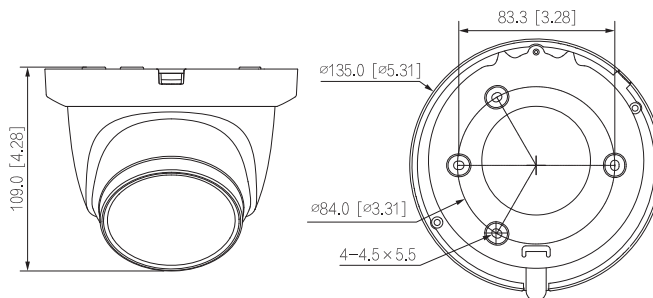
Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification			
Camera		Smart IR	Yes
Image Sensor	2MP CMOS	Mirror	Yes
Max. Resolution	1920 (H) × 1080 (V)	Privacy Masking	Off/On (8 area, rectangle)
Pixel	2MP	Certifications	
Scanning System	Progressive	Certifications	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)
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s	Port	
S/N Ratio	> 65 dB	Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Min. Illumination	0.02 Lux/F1.7, 30 IRE, 0 Lux IR on	Audio Input	One channel built-in mic
Illumination Distance	60 m (196.9 ft)	Power	
Illuminator On/Off Control	Auto;	Power Supply	POC (only CVI)/12V±30% DC
Illuminator Number	2 (IR light)	Power Consumption	Max6.4W (12 VDC, IR on); PoC (AT)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°	Environment	
Lens		Operating Temperature	–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)
Lens Type	Motorized Vari-focal	Storage Temperature	–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)
Auto Focus	N/A	Protection Grade	IP67
Mount Type	φ14	Structure	
Focal Length	2.7 mm–12 mm	Casing	Metal dome+metal cover+plastic decorative ring
Max. Aperture	F1.7	Camera Dimensions	Φ135 mm × 109 mm ( Φ5.31" × 4.28" )
Field of View	Diagonal: 38°– 125° Horizontal: 33°–102° Vertical: 19°– 53°	Net Weight	0.54 Kg (1.2 lb)
Iris Type	Fixed	Gross Weight	0.71 Kg (1.6 lb)
Close Focus Distance	1.2 m (3.9 ft)		
DORI Distance	2.7 mm: D: 49.7 m (163.1 ft); O: 19.9 m (65.3 ft); R: 9.9 m (32.5 ft); I: 5 m (16.4 ft) 12 mm: D: 82.8 m (271.7 ft); O: 33.1 m (108.6 ft); R: 16.6 m (54.5 ft); I: 8.3 m (27.2 ft)		
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)		
Day/Night	Auto switch by ICR		
BLC	BLC/DWDR/HLC		
White Balance	Auto/Area WB		
Gain Control	Auto; manual		
Noise Reduction	2D NR		

## 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)