

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

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.

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

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|----------------------------|---|
| Camera | |
| Image Sensor | 2MP CMOS |
| Max. Resolution | 1920 (H) × 1080 (V) |
| Pixel | 2MP |
| Scanning System | Progressive |
| Electronic Shutter Speed | PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s |
| S/N Ratio | > 65 dB |
| Min. Illumination | 0.02Lux/F1.7, 30IRE, 0Lux IR on |
| Illumination Distance | 60m (196.9 ft) |
| Illuminator On/Off Control | Auto; |
| Illuminator Number | 2 (IR light) |
| Pan/Tilt/Rotation Range | Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360° |

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| Lens | |
| Lens Type | Motorized Vari-focal |
| Auto Focus | N/A |
| Mount Type | φ14 |
| Focal Length | 2.7 mm-12 mm |
| Max. Aperture | F1.7 |
| Field of View | Diagonal: 38°– 125° Horizontal: 33°–102° Vertical: 19°– 53° |
| Iris Type | Fixed |
| Close Focus Distance | 1.2 m (3.9 ft) |
| DORI Distance | 2.7mm: 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) 12mm: 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) |

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| 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 |

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|-----------------|----------------------------|
| Smart IR | Yes |
| Mirror | Yes |
| Privacy Masking | Off/On (8 area, rectangle) |

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|-----------------------|---|
| 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) |
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| Port | |
| Video Output | Video output choices of CVI/TVI/AHD/CVBS by one BNC port |
| Audio Input | One channel built-in mic |

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| Power | |
| Power Supply | POC (only CVI)/12V±30% DC |
| Power Consumption | Max6.4W (12V DC, IR on); PoC (AT) |

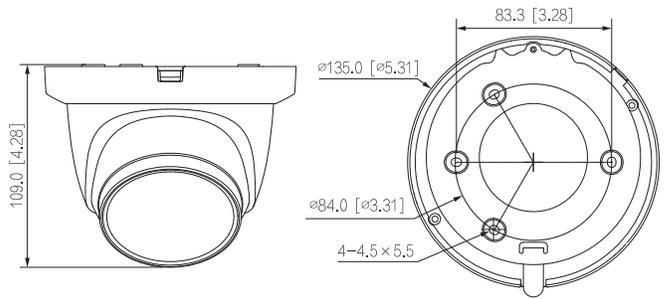
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|-----------------------|--|
| Environment | |
| Operating Temperature | –30°C to +60°C (-22°F to 140°F);< 95% (non-condensation) |
| Storage Temperature | –30°C to +60°C (-22°F to 140°F);< 95% (non-condensation) |
| Protection Grade | IP67 |

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| Structure | |
| Casing | Metal dome+metal cover+plastic decorative ring |
| Camera Dimensions | Φ135 mm×109 mm (Φ5.31"×4.28") |
| Net Weight | 0.54 Kg (1.2 lb) |
| Gross Weight | 0.71 Kg (1.6 lb) |

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) |
|----------------|------------|----------------------|
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