

DH-HAC-HDBW1200R-Z-POC

2MP HDCVI POC Motorized Vari-focal IR Dome Camera



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

- Max 30 fps@1080p.
- 2.7 mm–12 mm motorized lens.
- CVI/CVBS/AHD/TVI switchable.
- Max. IR length 30 m, Smart IR.
- IP67, IK10, 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.

Protection (IP67, IK10, wide voltage)

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

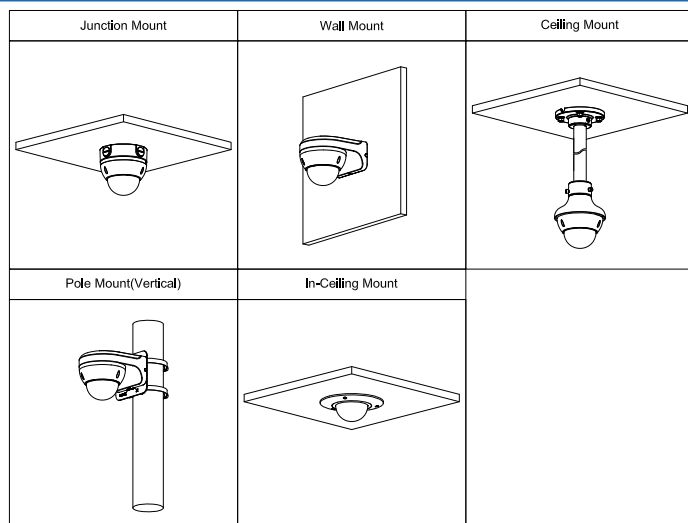
IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J).

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 | | Mirror | Yes |
|----------------------------|---|-----------------------|---|
| Camera | | Privacy Masking | Off/On (8 area, rectangle) |
| Image Sensor | | Certifications | |
| Max. Resolution | 1920 (H) × 1080 (V) | 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) |
| Pixel | 2MP | Port | |
| Scanning System | Progressive | Video Output | Video output choices of CVI/TVI/AHD/CVBS by one BNC port |
| Electronic Shutter Speed | PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s | Power | |
| S/N Ratio | > 65 dB | Power Supply | POC (only CVI)/12V±30% DC |
| Min. Illumination | 0.02 Lux/F1.7, 30 IRE, 0 Lux IR on | Power Consumption | Max5.2W (12 VDC, IR on); PoC (AT) |
| Illumination Distance | 30 m (98.4 ft) | Environment | |
| Illuminator On/Off Control | Auto; | Operating Temperature | –30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation) |
| Illuminator Number | 2 (IR light) | Storage Temperature | –30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation) |
| Pan/Tilt/Rotation Range | Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355° | Protection Grade | IP67; IK10 |
| Lens | | Structure | |
| Lens Type | Motorized Vari-focal | Casing | Plastic dome cover+metal upper casing+metal pedestal |
| Auto Focus | N/A | Camera Dimensions | φ122.0 mm × 88.9 mm (φ4.80" × 3.50") |
| Mount Type | φ14 | Net Weight | 0.34 Kg (0.7 lb) |
| Focal Length | 2.7 mm–12 mm | Gross Weight | 0.51Kg (1.1lb) |
| Max. Aperture | F1.7 | | |
| Field of View | Diagonal: 38°– 125° Horizontal: 33°–102° Vertical: 19°– 53° | | |
| Iris Type | Fixed iris | | |
| 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@25/30 fps; AHD: 1080p@25/30 fps; 720p@25/30 fps; TVI: 1080p@25/30 fps; 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 | | |
| Smart IR | Yes | | |

Ordering Information

| Type | Model | Description |
|------------------------|-------------------------|---|
| 2MP Camera | DH-HAC-HDBW1200RP-Z-POC | 2MP HDCVI POC Motorized Vari-focal IR Dome Camera, PAL |
| | DH-HAC-HDBW1200RN-Z-POC | 2MP HDCVI POC Motorized Vari-focal IR Dome Camera, NTSC |
| Accessories (Optional) | PFA137 | Water-proof Junction Box |
| | PFA152-E | Pole Mount Bracket |
| | PFB203W | Wall Mount Bracket |
| | PFB200C | In-ceiling Mount Bracket |
| | PFA106 | Adapter Plate of Mini Dome & Eyeball Camera |
| | PFM321D | 12V 1A Power Adapter |
| | PFM904 | Integrated Mount Tester |



Accessories

Optional:



PFA137
Junction box



PFA152-E
Pole Mount Bracket



PFB203W
Wall Mount Bracket



PFB200C
In-ceiling Mount Bracket



PFA106
Adapter Plate of Mini
Dome & Eyeball Camera



PFM321D
12V 1A Power Adapter



PFM904
Integrated Mount Tester

Dimensions (mm[inch])

