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 works 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

Camera

Image Sensor	2MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Pixel	2MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s
S/N Ratio	> 65 dB
Min. Illumination	0.02 Lux/F1.7, 30 IRE, 0 Lux IR on
Illumination Distance	30 m (98.4 ft)
Illuminator On/Off Control	Auto;
Illuminator Number	2 (IR light)
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°

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 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
Mirror	Yes
Privacy Masking	Off/On (8 area, rectangle)

Certifications

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)

Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

Power

Power Supply	POC (only CVI)/12V±30% DC
Power Consumption	Max5.2W (12 VDC, IR on); PoC (AT)

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; IK10

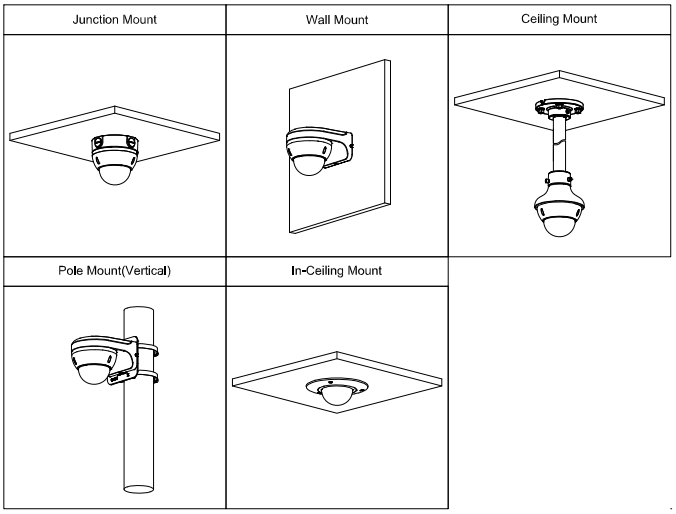
Structure

Casing	Plastic dome cover+metal upper casing+metal pedestal
Camera Dimensions	ϕ122.0 mm × 88.9 mm (ϕ4.80" × 3.50")
Net Weight	0.34 Kg (0.7 lb)
Gross Weight	0.51Kg (1.1lb)

POC series | DH-HAC-HDBW1200R-Z-POC

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

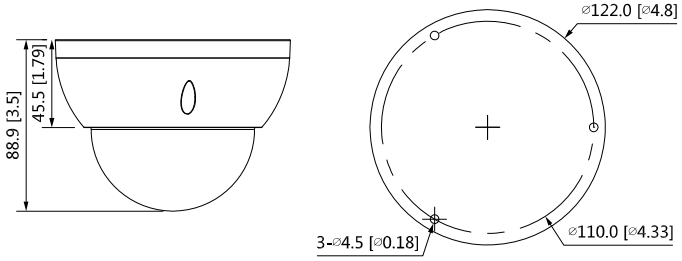
PFB200C
In-ceiling Mount Bracket

PFA106
Adapter Plate of Mini Dome & Eyeball Camera

PFM321D
12V 1A Power Adapter

PFM904
Integrated Mount Tester

Dimensions (mm[inch])



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