

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)

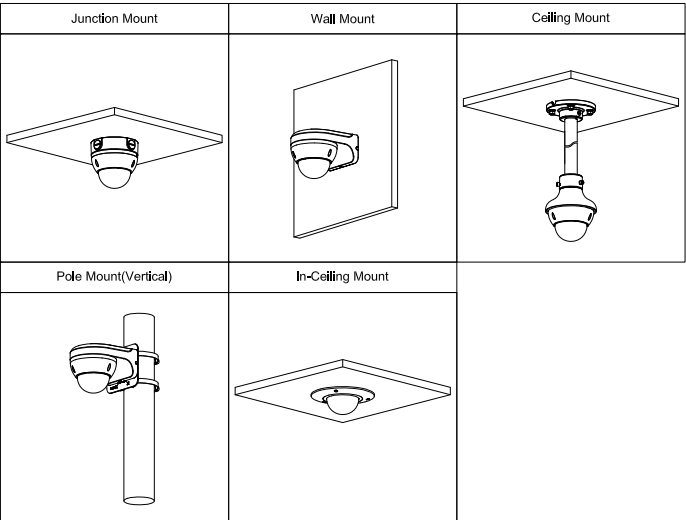
IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

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						BLC		BLC/DWDR/HLC	
Camera						White Balance		Auto/Area WB	
Image Sensor		2MP CMOS				Gain Control		Auto; manual	
Max. Resolution		1920 (H) × 1080 (V)				Noise Reduction		2D NR	
Pixel		2MP				Smart IR		Yes	
Scanning System		Progressive				Mirror		Yes	
Electronic Shutter Speed		PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 s				Privacy Masking		Off/On (8 area, rectangle)	
S/N Ratio		> 65 dB				Certifications			
Min. Illumination		0.02 Lux/F1.7, 30 IRE, 0 Lux IR on				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)	
Illumination Distance		30 m (98.4 ft)				Port			
Illuminator On/Off Control		Auto;				Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Illuminator Number		2 (IR light)				Power			
Pan/Tilt/Rotation Range		Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°				Power Supply		POC (only CVI)/12V±30% DC	
Lens						Power Consumption		Max5.2W (12 VDC, IR on); PoC (AT)	
Lens Type		Motorized Vari-focal				Environment			
Auto Focus		N/A				Operating Temperature		–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)	
Mount Type		φ14				Storage Temperature		–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)	
Focal Length		2.7 mm–12 mm				Protection Grade		IP67; IK10	
Max. Aperture		F1.7				Structure			
Field of View		Diagonal: 38°– 125° Horizontal: 33°–102° Vertical: 19°– 53°				Casing		Plastic dome cover+metal upper casing+metal pedestal	
Iris Type		Fixed iris				Camera Dimensions		φ122.0 mm × 88.9 mm (φ4.80" × 3.50")	
Close Focus Distance		1.2 m (3.9 ft)				Net Weight		0.34 Kg (0.7 lb)	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Gross Weight		0.51Kg (1.1lb)	
	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)				
	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)				
	*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@25/30 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							

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])

