

# DH-HAC-HDW2241T-Z-A-POC 2 MP Starlight HDCVI Motorized Vari-focal IR Eyeball Camera



- $\ast$  The parameters and datasheets below can only be applied to 2241-S2-POC series.
- Max 30 fps@1080p
- Starlight, 130 dB true WDR, 3D NR
- Auto focus,2.7 mm-13.5mm motorized lens
- CVI/CVBS/AHD/TVI switchable
- Super Adapt
- Built-in mic
- Max. IR length 60 m, Smart IR
- · IP67,PoC (only CVI)/12V±30% DC



#### System 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

#### Starlight

With the adoption of large sized high performance sensor and large aperture lens, the camera is able to provide incomparable performance even under extreme lowlight environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

#### **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.

\* Audio input is available for some models of HDCVI cameras.

#### Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Dahua HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

#### Super Adapt

Embedded with intelligent algorithm, for changing external environment, camera can automatically adjust parameters to present the optimal image, and it solves the trouble of configuration.

#### Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

#### **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, 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.

# PoC Series | DH-HAC-HDW2241T-Z-A-POC

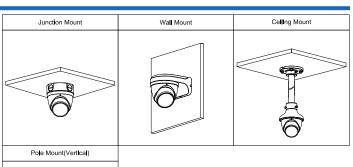
Technical Specification					BLC	BLC/WDR/HLC
Camera					WDR	130dB
Image Sensor	2 MP CMOS	2 MP CMOS			White Balance	Auto/Area WB
Max. Resolution	1920 (H) × 1080 (V)				Gain Control	Auto; manual
Pixel	2 MP	2 MP			Noise Reduction	3D NR
Scanning System	Progressive	Progressive			Smart IR	Yes
Electronic Shutter Speed	PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s				Mirror	Yes
S/N Ratio	> 65 dB	> 65 dB			Privacy Masking	Off/On (8 area, rectangle)
Min. Illumination	0.001 Lux/F1.6, 30 IF	0.001 Lux/F1.6, 30 IRE, 0 Lux IR on			Certifications	
Illumination Distance	60 m (196.9 ft)				Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-20 UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
		Auto;			Port	
Illuminator Number 2 (IR light)   Pan: 0°-360° Til: 0° 2000				Video Output	Video output choices of CVI/TVI/AHD/CVBS by on BNC port	
Pan/Tilt/Rotation Range	Tilt: 0°–78° Rotation: 0°–360°				Audio Input	One channel built-in mic
Lens					Power	
Lens Type Motorized Vari-focal					Power Supply	POC (only CVI)/12V±30% DC
Auto Focus Yes				Power Consumption	Max6.4W (12V DC, IR on) PoC (AT)	
Mount Type $ arrow 14$				Environment		
Focal Length	2.7 mm-13.5 mm				Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F); < 95% (non-condensation)
Max. Aperture F1.6   Diagonal: 131°-35°				Storage Temperature	–30 °C to +60 °C (–22 °F to 140 °F); < 95% (non-condensation)	
Field of View	Horizontal: 108°–30° Vertical: 56°–17°				Protection Grade	IP67
Iris Type	Fixed				Structure	
Close Focus Distance	0.8 m (2.6 ft )				Casing	Metal throughout the whole casing
Lens	Detect Obse	rve Recog	nize Identif		Camera Dimensions	φ122 mm × 104.8 mm (φ4.80" × 4.13")
2001	44.1 m 17.6				Net Weight	0.60kg(1.3lb)
DORI 2.7 mm Distance	(144.7 ft) (57.7				Gross Weight	0.76kg(1.7lb)
13.5 mm	144.8 m 57.9 (475.1 ft) (190					

Video

Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS:		
	CVBS: PAL: 960 × 576H; NTSC: 960 × 480H		
Resolution	1080p (1920 × 1080); 960H (960 × 576 / 960 × 480)		
Day/Night	Auto switch by ICR		

# PoC Series | DH-HAC-HDW2241T-Z-A-POC

Ordering Information							
Туре	Model	Description					
2 MP Camera	DH-HAC-HDW2241TP- Z-A-POC	2 MP Starlight HDCVI Motorized Vari-focal IR Eyeball Camera, PAL					
	DH-HAC-HDW2241TN- Z-A-POC	2 MP Starlight HDCVI Motorized Vari-focal IR Eyeball Camera, NTSC					
	PFA130-E	Water-proof Junction Box					
	PFB203W	Wall Mount Bracket					
	PFA152-E	Pole Mount Bracket					
Accessories (Optional)	PFA106	Mount Adapter					
	PFB220C	Ceiling Mount Bracket					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					





### Dimensions (mm[inch])

## Accessories

### **Optional:**



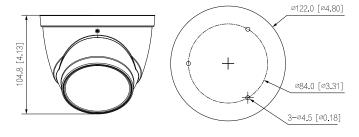
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PFA130-E PFB203W Water-proof Junction Box Wall Mount Bracket

PFA15

PFA152-E Pole Mount Bracket





PFA106 Mount Adapter



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester