

DH-HAC-HFW2241TU-Z-A-POC

2 MP Starlight HDCVI Motorized Vari-focal IR Bullet Camera



- st 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-13.5 mm motorized lens
- · CVI/CVBS/AHD/TVI switchable
- · Super Adapt
- · Built-in mic
- · Max. IR length 80 m, Smart IR
- IP67,PoC (only CVI)/12V±30% DC













System 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

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-HFW2241TU-Z-A-POC

Technical	Specification	,				BLC	BLC/WDR/HLC
Technical Specification Camera						WDR	130 dB
Image Sensor		2 MP CMOS				White Balance	Auto/Area WB
Max. Resolution		1920 (H) × 1080 (V)				Gain Control	Auto; manual
Pixel		2 MP				Noise Reduction	3D NR
Scanning System		Progressive				Smart IR	Yes
		PAL: 1/25 s–1/100,000 s				Mirror	Yes
Electronic Shu	itter Speed	NTSC: 1/30 s-1/100,000 s				Privacy Masking	Off/On (8 area, rectangle)
S/N Ratio		> 65 dB				Certifications	on, on to dead, rectangle,
Min. Illumination		0.001 Lux/F1.6, 30 IRE, 0 Lux IR on				Certifications	CF (FNFF022 FNFF024 FNF0120 4)
Illumination Distance Illuminator On/Off Control		80 m (262.5 ft)				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)
Illuminator Number		4 (IR light)				Port	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
						Audio Input	One channel built-in mic
Lens					Power		
Lens Type		Motorized Va	ari-focal			Power Supply	POC (only CVI)/12V±30% DC
Auto Focus		Yes				Power Consumption	Max6.7W (12V DC, IR on) PoC (AT)
Mount Type		ф14				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: 1				Protection Grade	IP67
		Vertical: 56°–17°				Structure	
Iris Type		Fixed				Casing	Metal throughout the whole casing
Close Focus D		0.8 m (2.6 ft)				Camera Dimensions	244.1 mm × 90.4 mm × 90.4 mm (9.61" × 3.56" × 3.56")
DORI Distance	Lens	Detect	Observe 17.6 m	Recognize	Identify	Net Weight	0.81 kg (1.8 lb)
	2.7 mm	44.1 m (144.7 ft)	(57.7 ft)	8.8 m (28.9 ft)	4.4 m (14.4 ft)	Gross Weight	1.09 kg (2.4 lb)
	13.5 mm	144.8 m (475.1 ft)	57.9 m (190 ft)	28.9 m (94.8 ft)	14.8 m (48.6 ft)	, <u>.</u>	
Video							

Resolution	1080p (1920 × 1080); 960H (960 × 576 / 960 × 480)
Day/Night	Auto switch by ICR

Frame Rate

CVI:

TVI:

CVBS: PAL: 960 × 576H; NTSC: 960 × 480H

PAL: 1080p@25 fps; NTSC: 1080p@30 fps;

PAL: 1080p@25 fps; NTSC: 1080p@30 fps;

PAL: 1080p@25 fps; NTSC: 1080p@30 fps;

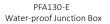
PoC Series | DH-HAC-HFW2241TU-Z-A-POC

Ordering Information							
Туре	Model	Description					
2 MP Camera	DH-HAC-HFW2241TUP- Z-A-POC	2 MP Starlight HDCVI Motorized Vari-focal IR Bullet Camera, PAL					
2 MP Camera	DH-HAC-HFW2241TUN- Z-A-POC	2 MP Starlight HDCVI Motorized Vari-focal IR Bullet Camera, NTSC					
	PFA130-E	Water-proof Junction Box					
Accessories	PFA152-E	Pole Mount Bracket					
(Optional)	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					

Accessories

Optional:







PFA152-E Pole Mount Bracket



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

