

DH-HAC-B1A21-U-IL-A

2MP Smart Dual Light HDCVI Fixed-focal Bullet Camera



- · Max. 30 fps@1080p.
- · Smart Dual Light.
- \cdot 30 m illumination distance.
- · Built-in MIC.
- · 3.6 mm fixed lens (2.8 mm,6 mm optional).
- \cdot CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.



Series Overview

The Cooper Series offers simple and highly cost-effective HDCVI solutions. It provides 24/7 reliable monitoring with high-quality image performance, saving cost on both material and labor force. It is also designed and built to the specific standards of Dahua.

Functions

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has ±30% input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Simplicity

HDCVI technology inherits the simplicity of traditional analog surveillance systems, making it a great mechanism for protecting your valuables. HDCVI can be upgraded from the traditional analog system without replacing the existing coaxial cabling. Its plug and play design enables it to produce high-definition videos during surveillance without the hassle of configuring a network.

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Technica	Specificatio	on				WDR	DWDR
Camera					White Balance	Auto;Area white balance	
Image Sensor		2 MP CMOS				Gain Control	Auto;Manual
Max. Resolution		1920 (H) × 1080 (V)				Noise Reduction	2D NR
Scanning System		Progressive				Illumination Mode	Smart IR&WL WL Mode; IR Mode
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s				Mirror	Yes
Min. Illumination		0.02 lux@F2.0 (Color, 30 IRE); 0.002 lux@F2.0 (B/W, 30 IRE); 0 lux (Illuminator on)				Privacy Masking Certification	Off/On (8 areas, rectangle)
S/N Ratio		>65 dB				Certifications	CE-LVD: EN 62368-1;
Illumination Distance		IR: 30 m (98.43 ft);					CE-EMC: EN 55032; EN 55035
		Warm light: 20 m (65.62 ft) Auto; Manual				Port	Video output choices of CVI/TVI/AHD/CVBS by one BN
Illuminator On/Off Control						Video Output	port
Illuminator Number Angle Adjustment		2 (Warm light);2 (IR light) Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Audio Input	One channel built-in Mic
						Power	
Lens		Notation. 0 500				Power Supply	12 VDC ± 30%
		Fixed-focal				Power Consumption	Max 3.3 W (12 VDC, LED on)
Lens Type						Environment	
Lens Mount		M12				Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Focal Length		2.8 mm; 3.6 mm; 6 mm				Operating Humidity	<95% (RH), non-condensing
Max. Aperture		F2.0 2.8 mm: H: 100°; V: 54°; D: 117°				Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Field of View		2.6 mm: H: 80°; V: 43°; D: 94° 6 mm: H: 83°; V: 43°; D: 94° 6 mm: H: 43°; V: 24°; D: 50°				Storage Humidity	<95% (RH), non-condensing
Iris Control		Fixed				Protection	IP67
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.8 m (2.62 ft) 6 mm: 2.4 m (7.87 ft)				Anti-corrosion Level	Basic Protection
						Structure	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Casing Material	Plastic
	2.8 mm	44.7 m	17.9 m	8.9 m	4.5 m	Product Dimensions	146.1 mm × 70.0 mm × 69.8 mm (5.75" × 2.76" × 2.75
		(146.65 ft) 55.0 m	(58.73 ft) 22.0 m	(29.20 ft) 11.0 m	(14.76 ft) 5.5 m	Net Weight	0.15 kg (0.33 lb)
	3.6 mm	(180.45 ft)	(72.18 ft)	(36.09 ft)	(18.04 ft)	Gross Weight	0.23 kg (0.51 lb)
	6 mm	102.9 m (337.60 ft)	41.1 m (134.84 ft)	20.6 m (67.59 ft)	10.3 m (33.79 ft)	Installation	Wall mount; ceiling mount; vertical pole mount

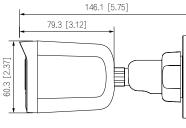
Video

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: PAL: 960H NTSC: 960H				
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)				
Day/Night	Auto(ICR)/Color/B/W				
BLC	BLC; HLC; DWDR				

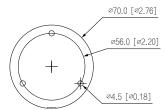
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Ordering Information Туре Model Description 2MP Smart Dual Light HDCVI Fixed-DH-HAC-B1A21P-U-IL-A focal Bullet Camera, PAL 2MP Camera 2MP Smart Dual Light HDCVI Fixed-DH-HAC-B1A21N-U-IL-A focal Bullet Camera, NTSC PFA134 Junction Box PFA130-E Water-proof Junction Box PFA152-E Pole Mount Bracket Accessories (Optional) PFM321D 12V 1A Power Adapter PFM800-E Passive HDCVI Balun PFM904 Integrated Mount Tester

Dimensions (mm[inch])







Accessories

Optional:



PFA134 Junction Box



PFM321D 12V 1A Power Adapter



PFA130-E Water-proof Junction Box



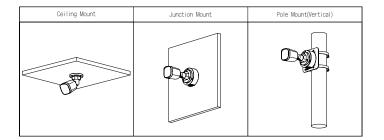
PFM800-E Passive HDCVI Balun



PFA152-E Pole Mount Bracket



PFM904 Integrated Mount Tester



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