

DH-HAC-B2A21-U 2MP IR HDCVI Fixed-focal Bullet Camera



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 IR Illumination

With its IR illumination, the camera provides optimal performance in low light conditions, ensuring uniformity in the brightness of B/W images. Through its smart IR technology, the camera also compensates for the distance of targets by adjusting the intensity of its IR LEDs, preventing overexposure of images as targets move closer to the camera.

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.

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



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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Camora						Dou/Night	Auto(ICD)/Color/D/M
Camera						Day/Night	Auto(ICR)/Color/B/W
Image Sensor		2 MP CMOS				BLC	BLC; DWDR
Max. Resolution		1920 (H) × 1080 (V)				WDR	DWDR
Scanning System		Progressive				White Balance	Auto
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s; NTSC: 1/30 s-1/100000 s				Gain Control	Auto
Min. Illumination		0.02 lux@F2.0 (Color, 30 IRE) 0.002 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Noise Reduction	2D NR
						Illumination Mode	Smart IR
S/N Ratio		>65 dB				Certification	
Illumination Distance		30 m (98.43 ft)				Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035
Illuminator On/Off Control		Auto;Manual				Port	
Illuminator Number		2 (IR light)				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one port
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Power	
Lens						Power Supply	12 VDC ± 30%
Lens Type		Fixed-focal				Power Consumption	Max 2.8 W (12 VDC, IR on)
Lens Mount		M12				Environment	
Focal Length		2.8 mm; 3.6 mm; 6 mm				Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Max. Aperture		F2.0				Operating Humidity	<95% (RH), non-condensing
Field of View		2.8 mm: H: 100°; V: 54°; D: 117° 3.6 mm: H: 80°; V: 43°; D: 94° 6 mm: H: 43°; V: 24°; D: 50°				Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
						Storage Humidity	<95% (RH), non-condensing
Iris Control		Fixed				Protection	IP67
		2.8 mm: 0.5 m (1.64 ft)				Anti-corrosion Level	Basic Protection
Close Focus Distance		3.6 mm: 0.8 m (2.62 ft) 6 mm: 2.4 m (7.87 ft)				Structure	
	Lens	Detect	Observe	Recognize	Identify	Casing Material	Metal
	2.8 mm	44.7 m (146.65 ft)	17.9 m (58.73 ft)	8.9 m (29.20 ft)	4.5 m (14.76 ft)	Product Dimensions	150.0 mm × 69.7 mm × 70.0 mm (5.91" × 2.74" × 2
DORI Distance	3.6 mm	55.0 m (180.45 ft)	22.0 m (72.18 ft)	11.0 m (36.09 ft)	5.5 m (18.04 ft)	Net Weight	0.27 kg (0.60 lb)
					,,	Gross Weight	0.33 kg (0.73 lb)

*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.

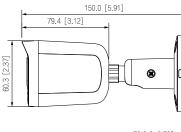
Video

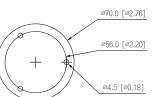
Power				
Power Supply	12 VDC ± 30%			
Power Consumption	Max 2.8 W (12 VDC, IR on)			
Environment				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Operating Humidity	<95% (RH), non-condensing			
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Storage Humidity	<95% (RH), non-condensing			
Protection	IP67			
Anti-corrosion Level	Basic Protection			
Structure				
Casing Material	Metal			
Product Dimensions	150.0 mm × 69.7 mm × 70.0 mm (5.91" × 2.74" × 2.76")			
Net Weight	0.27 kg (0.60 lb)			
Gross Weight	0.33 kg (0.73 lb)			
Installation	Wall mount; ceiling mount; vertical pole mount			

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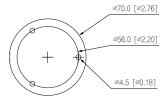
Ordering Information Туре Model Description 2MP IR HDCVI Fixed-focal Bullet DH-HAC-B2A21P-U Camera, PAL 2MP Camera 2MP IR HDCVI Fixed-focal Bullet DH-HAC-B2A21N-U Camera, NTSC PFA134 Junction Box PFA130-E Water-proof Junction Box PFA152-E Pole Mount Bracket Accessories (Optional) PFM800-E Passive HDCVI Balun PFM321D 12V 1A Power Adapter PFM904 Integrated Mount Tester

Dimensions (mm[inch])









Accessories

Optional:



PFA134 Junction Box



PFM800-E Passive HDCVI Balun



PFA130-E Water-proof Junction Box



PFM321D 12V 1A Power Adapter



PFA152-E Pole Mount Bracket



PFM904 Integrated Mount Tester

Ceiling Mount	Junction Mount	Pole Mount(Vertical)