

DH-HAC-B2A21 2MP HDCVI IR Bullet Camera



System 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.

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.

- Max. 30 fps@1080p
- CVI/CVBS/AHD/TVI switchable
- · 3.6 mm fixed lens (2.8 mm, 6 mm optional)
- Max. IR length 20 m, Smart IR
- IP67,12 VDC



Protection

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.

Multi-language OSD

The OSD offers multiple functions to meet the many requirements of a monitoring scene, such as backlight mode, day/night mode, white balance, privacy mask, and motion detection. 11 languages are available for OSD: Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

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.

Cooper Series | DH-HAC-B2A21

Technical Specification

Camera

Camera		Camera					
Pixel		2 MP					
Image Sensor		2MP CMOS					
Max. Resolution		1920 (H) × 1080 (V)					
Scanning System		Progressive					
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s					
Min. Illumination		0.04 lux@F2.0 (Color, 30 IRE) 0.004 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)					
S/N Ratio		>65 dB					
Illumination Distance		20 m (65.62 ft)					
Illuminator On/Off Control		Auto/Manual					
Illuminator Number		2 (IR light)					
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°					
Lens							
Lens Type		Fixed-focal					
Lens Mount		M12					
Focal Length		2.8 mm; 3.6 mm; 6 mm					
Max. Aperture		F2.0					
Field of View		2.8 mm: H: 100°; V: 53°; D: 120° 3.6 mm: H: 82°; V: 42°; D: 98° 6 mm: H: 53°; V: 30°; D: 60°					
Iris Control		Fixed					
Close Focus Distance		2.8 mm: 0.6 m (1.97 ft) 3.6 mm: 1.0 m (3.28 ft) 6 mm: 2.0 m (6.56 ft)					
DORI Distance	Lens	Detect	Observe	Recognize	Identify		
	2.8 mm	46.9 m (153.87 ft)	18.8 m (61.68 ft)	9.4 m (30.84 ft)	4.7 m (15.42 ft)		
	3.6 mm	60.9 m (199.80 ft)	24.3 m (79.72 ft)	12.2 m (40.03 ft)	6.1 m (20.01 ft)		
	6 mm	82.8 m (271.65 ft)	33.1 m (108.60 ft)	16.6 m (54.46 ft)	8.3 m (27.23 ft)		

Video Frame Rate	CVI: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps TVI: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps AHD: PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps CVBS: PAL: 960H NTSC: 960H	
Resolution	1080p (1920 × 1080); 720p (1280 × 720); 960H (960 × 576/960 × 480)	
Day/Night	Auto (ICR)/Color/B/W	
BLC	BLC; HLC; DWDR	

WDR	DWDR		
White Balance	Auto; Area white balance		
Gain Control	Auto/Manual		
Noise Reduction	2D NR		
Smart Illumination	Yes		
Mirror	Yes		
Privacy Masking	Off/On (8 areas, rectangle)		
Certification			
Certifications	CE (EN55032:2015, EN61000-3-2:2014, EN61000- 3-3:2013, EN55024:2010+A1:2015, EN55035:2017, EN50130-4:2011+A1:2014, EN62368-1:2014+A11:2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL62368-1+CAN/CSA C22.2 No.62368-1)		
Port			
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port		
Power			
Power Supply	12 VDC ± 30%		
Power Consumption	Max. 2.7 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)		
Protection	IP67		
Structure			
Casing	Metal		
Product Dimensions	157.6 mm × 70.1 mm × 70.1 mm (6.21" × 2.76" × 2.76")		
Packaging Dimensions	182 mm × 90 mm × 77 mm (7.17" × 3.54" × 3.03")		
Net Weight	0.25 kg (0.55 lb)		
Gross Weight	0.30 kg (0.66 lb)		
Installation	Wall mount; ceiling mount; horizontal pole mount		

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Ordering Information				
Туре	Part Number	Description		
21.45.0	DH-HAC-B2A21P	2MP HDCVI IR Bullet Camera, PAL		
2MP Camera	DH-HAC-B2A21N	2MP HDCVI IR Bullet Camera, NTSC		
	PFA134	Junction Box		
	PFA134+PFA152-E	Pole Mount Bracket		
Accessories (Optional)	PFM800-E	Passive HDCVI Balun		
	PFM321D	12V 1A Power Adapter		
	PFM904	Integrated Mount Tester		

Accessories

Optional:



PFA134 Junction Box



PFM321D 12V 1A Power Adapter

PFA134+PFA152-E Pole Mount

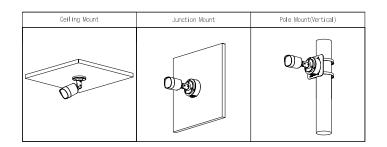
Bracket



PFM800-E Passive HDCVI Balun



PFM904 Integrated Mount Tester



Dimensions (mm[inch])

