

DH-HAC-B2A51-U

5MP IR HDCVI Fixed-focal Bullet Camera



* In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 or later version.

- · Max 25 fps@5MP (16:9 video output).
- · Smart IR Illumination.
- · 30 m illumination distance.
- · 3.6 mm fixed lens (2.8 mm,6 mm optional).
- · 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 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.

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.

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.

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.

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Technical Specification					BLC	BLC; HLC; DWDR	
Camera						WDR	DWDR
Image Sensor		5 MP CMOS				White Balance	Auto;Area white balance
Max. Resolution		2880 (H) × 1620 (V)				Gain Control	Auto;Manual
Scanning System		Progressive				Noise Reduction	2D NR
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s				Illumination Mode	Smart IR
Min. Illumination		0.02 lux@F2.0 (Color, 30 IRE) 0.002 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Mirror Privacy Masking	Yes Off/On (8 areas, rectangle)
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		3 (IR light) Pan: 0°–360°				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Angle Adjustment		Tilt: 0°–90° Rotation: 0°–360°				Power	
Lens						Power Supply	12 VDC ± 30%
Lens Type		Fixed-focal				Power Consumption	Max 3.7 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: 106°; V: 56°; D: 125° 3.6 mm: H: 92°; V: 48°; D: 109° 6 mm: H: 54°; V: 29°; D: 62°				Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
						Storage Humidity	<95% (RH), non-condensing
Iris Control		Fixed				Protection	IP67
Close Focus Distance		2.8 mm: 1.0 m (3.28 ft) 3.6 mm: 1.3 m (4.27 ft) 6 mm: 2.8 m (9.19 ft)				Anti-corrosion Level	Basic Protection
						Structure	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Casing Material	Metal
	2.8 mm	66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)	Product Dimensions	150.0 mm × 69.7 mm × 70.0 mm (5.91" × 2.74" × 2.76")
	3.6 mm	76.0 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87 ft)	7.6 m (24.93 ft)	Net Weight	0.31 kg (0.68 lb)
	6 mm	126.0 m	50.4 m	25.2 m	12.6 m	Gross Weight	0.38 kg (0.84 lb)
	Unin	(413.39 ft)	(165.35 ft)	(82.68 ft)	(41.34 ft)	Installation	Wall mount; ceiling mount; vertical pole mount

Video

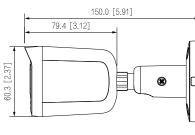
Video Frame Rate	CVI: PAL: 5M@25 fps; 5M@12.5 fps; 4M@25 fps; 1080P@25 fps NTSC: 5M@25 fps; 5M@10 fps; 4M@30 fps; 1080P@30 fps AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H		
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)		
Day/Night	Auto(ICR)/Color/B/W		

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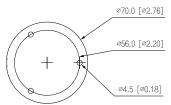
Ordering Information

Туре	Model	Description
5MP	DH-HAC-B1A51P-U	5MP IR HDCVI Fixed-focal Bullet Camera, PAL
Camera	DH-HAC-B1A51N-U	5MP IR HDCVI Fixed-focal Bullet Camera, NTSC
	PFA134	Junction Box
	PFA130-E	Water-proof Junction Box
Accessories	PFA152-E	Pole Mount Bracket
(Optional)	PFM321D	12V 1A Power Adapter
	PFM800-4K	1-CH Passive Video Balun
	PFM904	Integrated Mount Tester

Dimensions (mm[inch])







Accessories

Optional:







PFM321D 12V 1A Power Adapter



PFA130-E Water-proof Junction Box



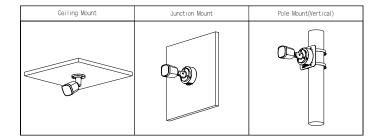
PFM800-4K 1-CH Passive Video Balun



PFA152-E Pole Mount Bracket



PFM904 Integrated Mount Tester



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