

DH-HAC-B2A41

4MP HDCVI Fixed IR Bullet Camera

HDCVI



- · Max. 30fps@4MP
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm,6mm optional)
- · Max. IR length 20m, Smart IR
- · IP67, DC12V













System Overview

Experience 4MP HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Cooper series 4MP HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various vari-focal/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

* Audio input is available for some models of HDCVI cameras.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m for 4MP HD video via coaxial cable, and up to $300 \mathrm{m}$ via UTP cable.*

*Actual results verified by real-scene testing in Dahua's test laboratory.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Smart IR

The camera is designed with microcrystalline LED 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.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820 (UTC controller). This feature makes the camera to be compatible with not only XVRs but also most end users' existing HD/SD DVRs.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments.

With working temperature range of-40 $^{\circ}$ C to +60 $^{\circ}$ C (-40 $^{\circ}$ F to +140 $^{\circ}$ F), the camera is designed for extreme temperature environments.

Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification						Day/Night	Auto (ICR) / Manual
Camera					OSD Menu	Multi-language	
Image Sensor		1/2.7" CMOS				BLC Mode	BLC / HLC / DWDR
Effective Pixels		2560(H)×1440(V), 4MP				WDR	DWDR
Scanning System		Progressive				Gain Control	AGC
Electronic Shutter Speed		PAL: 1/25~1 NTSC: 1/30^				Noise Reduction	2D
Minimum Illumination		0.04Lux/F2.0, 30IRE, 0Lux IR on				White Balance	Auto / Manual
S/N Ratio		More than 65dB				Smart IR	Auto / Manual
IR Distance		Up to 20m (66feet)				Certifications	
IR On/Off Control		Auto / Manu	ual			Certifications	CE (EN55032, EN55024, EN50130-4,EN60950-1) UL (UL60950-1+CAN/CSA C22.2 No.60950-1) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)
Lens						lusto ufo o o	, (
Lens Type		Fixed lens / Fixed iris				Interface	
Mount Type		Board-in				Audio Interface	N/A
Focal Length		3.6mm (2.8mm, 6mm Optional)				Eelectrical	
Max Aperture		F2.0				Power Supply	12V DC ±30%
		2.8mm::125° x105° x56° (diagonal x horizontal x vertical) 3.6mm: 107° x 89° x 48° (diagonal x horizontal x vertical)				Power Consumption	Max. 3.7W (12V DC, IR on)
Angle of View						Environmental	
		,	54° x 31° (dia	gonal x horizoi	ntal x	Operating Conditions	-40°C $^{\sim}$ +60°C (-40°F $^{\sim}$ +140°F) / Less than 95% RH * Start up should be done at above-40°C (-40°F)
Focus Control		N/A				Storage Conditions	-40°C $^{\sim}$ +60°C (-40°F $^{\sim}$ +140°F) / Less than 95% RH
Close Focus Distance		2.8mm:0.7n 3.6mm:1.1 i	m (3.6 ft)			Ingress Protection & Vandal Resistance	IP67
	Lens	6mm: 2.7 m (8.9 ft) Detect Observe Recognize			Identify	Construction	
	Lens	49.8 m	19.9 m	Recognize	5.0 m	Casing	Aluminium
DORI distance	2.8mm	(163.0 ft)	(65.0 ft)	(33.0 ft)	(17.0 ft)	Dimensions	69.8mm×69.8mm×157.6mm (2.75"×2.75"×6.20")
DONI distance	3.6mm	64.0 m (210.0 ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)	Net Weight	0.24kg (0.53lb)
	6mm	106.7 m (350.0 ft)	42.7 m (140.0 ft)	21.3 m (70.0 ft)	10.7 m (32.0 ft)	Gross Weight	0.29kg (0.64lb)
Pan / Tilt / Rotation							

	PAL:4M@25fps;
Frame Rate	NTSC:4M@30fps;
	TVI:
	PAL:4M@25fps;
	NTSC:4M@30fps;
	CVBS:
	OCOLL.

CVI:

Video Output

1-channel BNC high definition video output / CVBS video output (Can switch)

Pan: 0° ~ 360° Tilt: 0° ~ 90°

Rotation: 0° ~ 360°

4M (2560 × 1440);

PAL:4M@25fps; 1080P@25fps NTSC:4M@30fps; 1080P@30fps

1080P (1920 × 1080); 960H (960 × 576/960 × 480)

Pan/Tilt/Rotation

Video

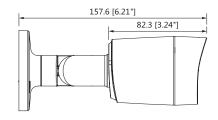
Resolution

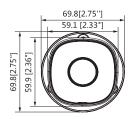
Cooper Series | DH-HAC-B2A41

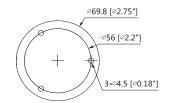
Ordering Information					
Туре	Part Number	Description			
	DH-HAC-B2A41P 2.8 mm	4MP HDCVI Fixed IR Bullet Camera, PAL			
	DH-HAC-B2A41P 3.6 mm				
4MP Camera	DH-HAC-B2A41P 6 mm				
4IVIF Callield	DH-HAC-B2A41N 2.8 mm				
	DH-HAC-B2A41N 3.6 mm	4MP HDCVI Fixed IR Bullet Camera, NTSC			
	DH-HAC-B2A41N 6 mm				
	PFA134	Water-proof Junction Box			
	PFA152-E	Water-proof Junction Box+Pole Mount Bracket			
	PFM800-4K	Passive Video Balun			
Accessories	PFM820(Only 1080P and below are available)	UTC controller			
	PFM321	12V 1A Power Adapter			
	PFM904	Integrated Mount Tester			

Junction Mount	Pole Mount	
PFA134	PFA134+PFA152-E	

Dimensions (mm/inch)







Accessories

Optional:



PFA134 Water-proof Junction Box



PFA152-E Pole Mount Bracket



PFM800-4K Passive Video Balun



PFM820 (Only 1080P and below are available) UTC controller



PFM321 12V 1A Power Adapter



PFM904 Integrated Mount Tester

