

DH-HAC-D1A21

2MP HDCVI IR Dome Camera



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











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.

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.

CVI:

AHD:

CVBS: PAL: 960H NTSC: 960H

576/960 × 480)

BLC; HLC; DWDR

DWDR

Auto (ICR)/Color/B/W

Auto; Area white balance

Video Frame Rate

Resolution

Day/Night

BLC

WDR

White Balance

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

PAL: 1080p@25 fps; 720p@25 fps NTSC: 1080p@30 fps; 720p@30 fps

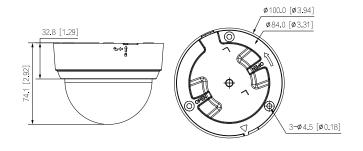
1080p (1920 × 1080); 720p (1280 × 720); 960H (960 ×

Technical Specification							Gain Control	Auto/Manual
Camera							Noise Reduction	2D NR
Pixel		2 MP					Smart Illumination	Yes
Image Sensor		2MP CMOS					Mirror	Yes
Max. Resolution		1920 (H) × 1080 (V)					Privacy Masking	Off/On (8 areas, rectangle)
Scanning System		Progressive					Certification	
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s NTSC: 1/30 s-1/100,000 s					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)
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					Port	
Illumination Distance		20 m (65.62 ft)					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Illuminator On/Off Control		Auto/Manual					Power	
Illuminator Number		2 (IR light)					Power Supply	12 VDC ± 30%
0 (71) (0) (1		Pan: 0°–355°					Power Consumption	Max. 3 W (12 VDC, IR on)
Pan/Tilt/Rotation Range		Tilt: 0°–75° Rotation: 0°–355°					Environment	
Lens							Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Lens Type		Fixed-focal					Operating Humidity	<95% (RH), non-condensing
Lens Mount		M12					Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Focal Length		2.8 mm; 3.6 mm					Structure	
Max. Aperture		F2.0					Casing	Plastic
Field of View		2.8 mm: H: 100°; V: 53°; D: 120° 3.6 mm: H: 82°; V: 42°; D: 98°					Product Dimensions	Φ100 mm × 74.1 mm (Φ3.94" × 2.92")
Iris Control		Fixed					Packaging Dimensions	137 mm × 136 mm × 113 mm (5.39" × 5.35" × 4.45")
Close Focus Distance		2.8 mm: 0.6 m (1.97 ft)					Net Weight	0.14 kg (0.31 lb)
DORI Distance		3.6 mm: 1.0 n		Doognize	Idontifi		Gross Weight	0.24 kg (0.53 lb)
	Lens	Detect 46.9 m	Observe 18.8 m	Recognize 9.4 m	Identify 4.7 m		Installation	Wall mount; ceiling mount; horizontal pole mount
	2.8 mm	(153.87 ft)	(61.68 ft)	(30.84 ft)	(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)			
Video								

Cooper Series | DH-HAC-D1A21

Ordering Information							
Туре	Part Number	Description					
2MP Camera	DH-HAC-D1A21P	2MP HDCVI IR Dome Camera, PAL					
ZIVIP Calliela	DH-HAC-D1A21N	2MP HDCVI IR Dome Camera, NTSC					
	PFA13G	Junction Box					
	PFB205W+PFA152-E	Pole Mount Bracket					
	PFB205W	Wall Mount Bracket					
Accessories (Optional)	PFA106+PFB220C	Ceiling Mount Bracket					
	PFM800-E	Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					

Dimensions (mm[inch])



Accessories

Optional:



PFA13G Junction Box



PFB205W+PFA152-E Pole Mount Bracket



PFB205W Wall Mount Bracket



PFA106+PFB220C Ceiling Mount Bracket



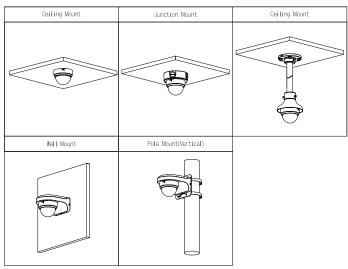
PFM800-E Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester



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