

DH-HAC-T1A21-U-IL-A

2MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera



- · Max. 30 fps@1080p.
- · Smart Dual Light.
- · 25 m illumination distance.
- · Built-in MIC.
- · Quick-to-install eyeball saves installation time.
- · 2.8 mm fixed lens (3.6 mm optional).
- · CVI/CVBS/AHD/TVI switchable.















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 Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

Easy Installation

HDCVI eyeball comes with a quick-to-install pedestal, which makes it easier to install than conventional eyeballs and reduces cost on time and labor.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

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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PAL: 1080p@25 fps NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps NTSC: 1080p@30 fps

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

Auto(ICR)/Color/B/W

Auto;Area white balance

BLC; HLC; DWDR

DWDR

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

TVI:

CVBS: PAL: 960H NTSC: 960H

Video Frame Rate

Resolution

Day/Night

BLC

WDR

White Balance

Technical Specification							Gain Control	Auto;Manual
Camera							Noise Reduction	2D NR
Image Sensor		2 MP CMOS					Illumination Mode	Smart IR&WL WL Mode; IR Mode
Max. Resolution		1920 (H) × 1080 (V)					Mirror	Yes
Scanning System		Progressive					Privacy Masking	Off/On (8 areas, rectangle)
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s					Certification	
Min. Illumination		0.02 lux@F2.0 (Color, 30 IRE); 0.002 lux@F2.0 (B/W, 30 IRE);					Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035
2/4.2.4		0 lux (Illuminator on)					Port	
S/N Ratio		>65 dB IR: 25 m (82.02 ft);					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Illumination Distance		Warm light: 20 m (65.62 ft)					Audio Input	One channel built-in Mic
Illuminator On/Off Control		Auto;Manual					Power	
Illuminator Number		2 (Warm light);2 (IR light)					Power Supply	12 VDC ± 30%
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°					Power Consumption	Max 2.1 W (12 VDC, LED on)
Lana		Notation: 0 –300					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					Storage Humidity	<95% (RH), non-condensing
Max. Aperture		F2.0					Anti-corrosion Level	Basic Protection
Field of View		2.8 mm: H: 100°; V: 54°; D: 117° 3.6 mm: H: 80°; V: 43°; D: 94°					Structure	
Iris Control		Fixed					Casing Material	Plastic
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.8 m (2.62 ft)					Product Dimensions	Φ85.0 mm × 77.1 mm (Φ3.35" × 3.04")
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Net Weight	0.11 kg (0.24 lb)
	2.8 mm	44.7 m	17.9 m	8.9 m	4.5 m		Gross Weight	0.12 kg (0.26 lb)
	2.0 111111	(146.65 ft) 55.0 m	(58.73 ft) 22.0 m	(29.20 ft) 11.0 m	(14.76 ft) 5.5 m		Installation	Wall mount; ceiling mount
	3.6 mm	(180.45 ft)	(72.18 ft)	(36.09 ft)	(18.04 ft)			
Video								

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Ordering Information							
Туре	Model	Description					
2MP	DH-HAC-T1A21P-U-IL-A	2MP Smart Dual Light HDCVI Fixed- focal Eyeball Camera, PAL					
Camera	DH-HAC-T1A21N-U-IL-A	2MP Smart Dual Light HDCVI Fixed- focal Eyeball Camera, NTSC					
	PFA12C	Plastic Junction Box					
Accessories	PFM321D	12V 1A Power Adapter					
(Optional)	PFM800-E	Passive HDCVI Balun					
	PFM904	Integrated Mount Tester					

Accessories

Optional:



PFA12C Plastic Junction Box



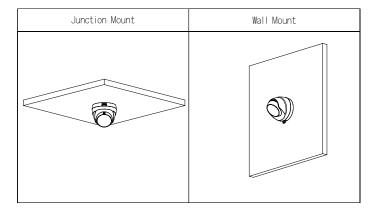
PFM321D 12V 1A Power Adapter



PFM800-E Passive HDCVI Balun



PFM904 Integrated Mount Tester



Dimensions (mm[inch])

