

DH-HAC-T1A21N-U-A

2MP IR HDCV Fixed-focal Eyeball Camera



- · Max. 30 fps@1080p
- · Smart IR Illumination
- \cdot Built-in MIC(-A).
- $\cdot\,25$ m illumination distance.
- · Quick-to-install eyeball saves installation time.
- · 2.8 mm fixed lens.
- · 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 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.

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.

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.

Cooper Series | DH-HAC-T1A21N-U-A

Technical Specification							Noise Reduction	2D NR
Camera							Illumination Mode	Smart IR
Image Sensor		2 MP CMOS					Certification	
Max. Resolution		1920 (H) × 1080 (V)					Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035
Scanning System		Progressive					Port	CE EINE, EN 33032, EN 33033
Electronic Shutter Speed		PAL: 1/25 s-1/100,000 s; NTSC: 1/30 s-1/100,000 s					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one E port
Min. Illumination		0.02 lux@F2.0 (Color, 30 IRE) 0.002 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)					Power	μοτ
S/N Ratio		>65 dB					Power Supply	12 VDC ± 30%
Illumination Distance		25 m (82.02 ft)					Power Consumption	Max 2.3 W (12 VDC, IR on)
		Auto/Manual					Environment	
Illuminator On/Off Control							Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Illuminator Number Angle Adjustment		1 (IR light)					Operating Humidity	<95% (RH), non-condensing
		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°					Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Lens							Storage Humidity	<95% (RH), non-condensing
Lens Type		Fixed-focal					Anti-corrosion Level	Basic Protection
Lens Mount		M12					Structure	
Focal Length		2.8 mm; 3.6 mm					Casing Material	Plastic
Max. Aperture		F2.0					Product Dimensions	Φ85.0 mm × 77.1 mm (Φ3.35" × 3.04")
Field of View		2.8 mm: H: 100°; V: 54°; D: 117°					Net Weight	0.11 kg (0.24 lb)
		3.6 mm: H: 80°; V: 43°; D: 94°					Gross Weight	0.12 kg (0.26 lb)
Iris Control		Fixed					Installation	Wall mount; ceiling mount
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.8 m (2.62 ft)						
	Lens	Detect	Observe	Recognize	Identify			
DORI Distance	2.8 mm	44.7 m (146.65 ft)	17.9 m (58.73 ft)	8.9 m (29.20 ft)	4.5 m (14.76 ft)			
	3.6 mm	55.0 m (180.45 ft)	22.0 m (72.18 ft)	11.0 m (36.09 ft)	5.5 m (18.04 ft)			
Video								
		CVI: PAL: 1080p@25 fps						

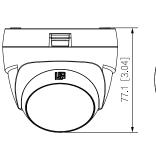
Video Frame Rate	CVI: PAL: 1080p@25 fps NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps NTSC: 1080p@30 fps TVI: PAL: 1080p@30 fps CVBS: PAL: 960H NTSC: 960H			
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)			
Day/Night	Auto(ICR)/Color/B/W			
BLC	BLC; DWDR			
WDR	DWDR			
White Balance	Auto			
Gain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

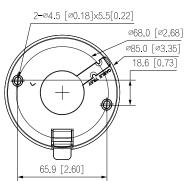
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Ordering Information

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

Dimensions (mm[inch])





Accessories

Optional:



PFA12C Plastic Junction Box

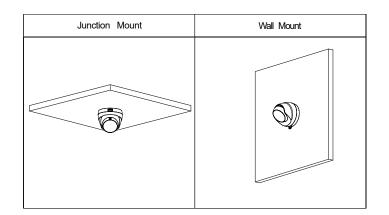


PFM800-E Passive HDCVI Balun





PFM904 Integrated Mount Tester



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