

# DH-HAC-T1A21-U-IL

2MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera



- Max. 30 fps@1080p.
- Smart Dual Light.
- 25 m illumination distance.
- 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.

### 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.

Technical Specification									
Camera						Gain Control		Auto;Manual	
Image Sensor						Noise Reduction		2D NR	
Max. Resolution						Illumination Mode		Smart IR&WL; WL Mode; IR Mode	
Scanning System						Mirror		Yes	
Electronic Shutter Speed						Privacy Masking		Off/On (8 areas, rectangle)	
Min. Illumination						Certification			
S/N Ratio						Certifications		CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035	
Illumination Distance						Port			
Illuminator On/Off Control						Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Illuminator Number						Power			
Angle Adjustment						Power Supply		12 VDC ± 30%	
						Power Consumption		Max 2.1 W (12 VDC, LED on)	
Lens						Environment			
Lens Type						Operating Temperature		−40 °C to +60 °C (−40 °F to +140 °F)	
Lens Mount						Operating Humidity		<95% (RH), non-condensing	
Focal Length						Storage Temperature		−40 °C to +60 °C (−40 °F to +140 °F)	
Max. Aperture						Storage Humidity		<95% (RH), non-condensing	
Field of View						Anti-corrosion Level		Basic Protection	
Iris Control						Structure			
Close Focus Distance						Casing Material		Plastic	
						Product Dimensions		Φ85.0 mm × 77.1 mm (Φ3.35" × 3.04")	
						Net Weight		0.11 kg (0.24 lb)	
						Gross Weight		0.12 kg (0.26 lb)	
						Installation		Wall mount; ceiling mount	
Video									
Video Frame Rate						CVI: PAL: 1080p@25 fps NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps NTSC: 1080p@30 fps TVI: PAL: 1080p@25 fps NTSC: 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; HLC; DWDR			
WDR						DWDR			
White Balance						Auto;Area white balance			


Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-T1A21P-U-IL	2MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera, PAL
	DH-HAC-T1A21N-U-IL	2MP Smart Dual Light HDCVI Fixed-focal Eyeball Camera, NTSC
Accessories (Optional)	PFA12C	Plastic Junction Box
	PFM321D	12V 1A Power Adapter
	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])

