

DH-HAC-T1A51-U-A

5MP IR HDCVI Fixed-focal Eyeball Camera



* In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 or later version.

- Max 25 fps@5MP (16:9 video output).
- Smart IR Illumination.
- 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 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.

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.

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.

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.

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.

Technical Specification							
Camera						White Balance	Auto;Area white balance
Image Sensor						Gain Control	Auto;Manual
Max. Resolution						Noise Reduction	2D NR
Scanning System						Illumination Mode	Smart IR
Electronic Shutter Speed						Mirror	Yes
Min. Illumination						Privacy Masking	Off/On (8 areas, rectangle)
S/N Ratio						Certification	
Illumination Distance						Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035
Illuminator On/Off Control						Port	
Illuminator Number						Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Angle Adjustment						Audio Input	One channel built-in Mic
Lens						Power	
Lens Type						Power Supply	12 VDC ± 30%
Lens Mount						Power Consumption	Max 2.7 W (12 VDC, IR on)
Focal Length						Environment	
Max. Aperture						Operating Temperature	−40 °C to +55 °C (−40 °F to +131 °F)
Field of View						Operating Humidity	<95% (RH), non-condensing
Iris Control						Storage Temperature	−40 °C to +55 °C (−40 °F to +131 °F)
Close Focus Distance						Storage Humidity	<95% (RH), non-condensing
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Anti-corrosion Level	Basic Protection
	2.8 mm	66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)	6.6 m (21.65 ft)	Structure	
	3.6 mm	76.0 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87 ft)	7.6 m (24.93 ft)	Casing Material	Plastic
Video						Product Dimensions	Φ85.0 mm × 77.1 mm (Φ3.35" × 3.04")
Video Frame Rate						Net Weight	0.11 kg (0.24 lb)
Resolution						Gross Weight	0.12 kg (0.26 lb)
Day/Night						Installation	Wall mount; ceiling mount
BLC							
WDR							

Ordering Information		
Type	Model	Description
5MP Camera	DH-HAC-T1A51P-U-A	5MP IR HDCVI Fixed-focal Eyeball Camera, PAL
	DH-HAC-T1A51N-U-A	5MP IR HDCVI Fixed-focal Eyeball Camera, NTSC
Accessories (Optional)	PFA12C	Plastic Junction Box
	PFM321D	12V 1A Power Adapter
	PFM800-4K	1-CH Passive Video Balun
	PFM904	Integrated Mount Tester

Accessories

Optional:



PFA12C
Plastic Junction Box



PFM321D
12V 1A Power
Adapter

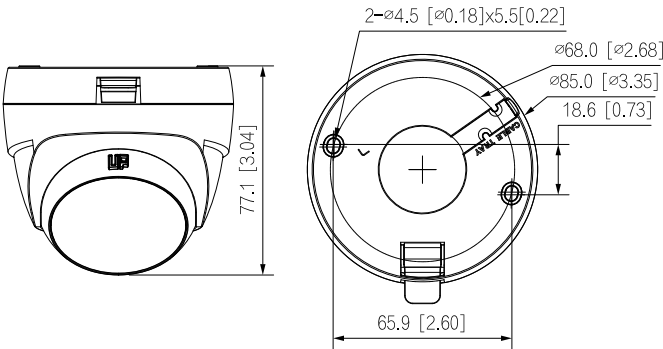


PFM800-4K
1-CH Passive Video Balun



PFM904
Integrated Mount Tester

Dimensions (mm[inch])



Junction Mount	Wall Mount