

DH-HAC-HDW1200TRQ

2MP IR HDCVI Fixed-focal Eyeball Camera



* The parameters and datasheets below can only be applied to 1200-S6 series.

- Max. 30 fps@1080p.
- Smart IR Illumination.
- 30 m illumination distance.
- Super Adapt.
- Quick-to-install eyeball saves installation time.
- 3.6 mm fixed lens (2.8 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- IP50, 12 VDC.

System Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

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.

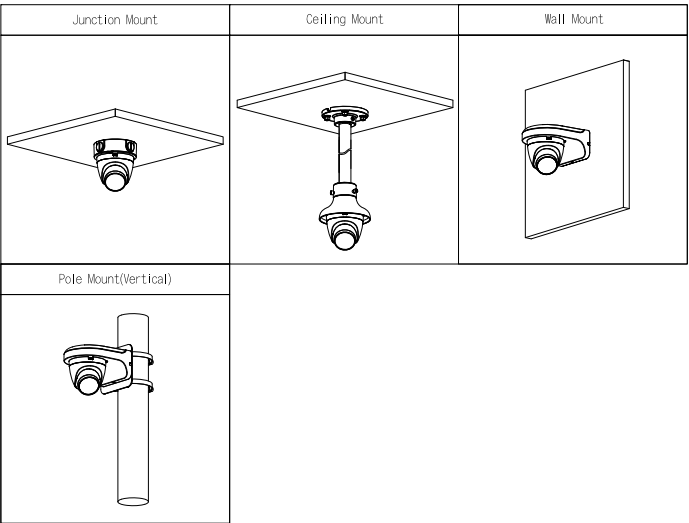
* Audio input is available for select HDCVI camera models.

Long Distance Transmission

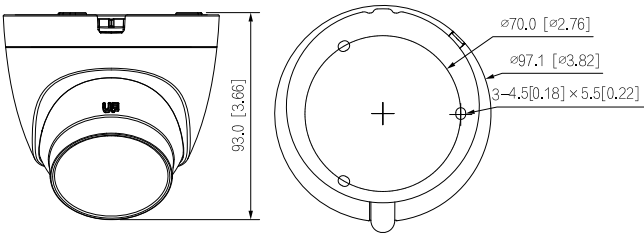
HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Technical Specification						Gain Control		Auto	
Camera						Noise Reduction		3D NR	
Image Sensor		2 MP CMOS				Illumination Mode		Smart IR	
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–1/100000 s NTSC: 1/30 s–1/100000 s				Certification			
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Certifications			
S/N Ratio		>65 dB				CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B			
Illumination Distance		30 m (98.43 ft)				Port			
Illuminator On/Off Control		Auto				Video Output			
Illuminator Number		2 (IR light)				Video output choices of CVI/TVI/AHD/CVBS by one BNC port			
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Power			
Lens						Power Supply			
Lens Type		Fixed-focal				12 VDC ± 30%			
Lens Mount		M12				Power Consumption			
Focal Length		2.8 mm; 3.6 mm				Max 2.7 W (12 VDC, IR on)			
Max. Aperture		F2.0				Environment			
Field of View		2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 105°				Operating Temperature			
Iris Control		Fixed				Operating Humidity			
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.7 m (2.30 ft)				<95% (RH), non-condensing			
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Storage Temperature			
	2.8 mm	41.4 m (135.83 ft)	16.5 m (42.13 ft)	8.3 m (27.23 ft)	4.1 m (13.45 ft)	Storage Humidity			
	3.6 mm	50.9 m (166.99 ft)	20.3 m (66.60 ft)	10.2 m (33.46 ft)	5.1 m (16.73 ft)	<95% (RH), non-condensing			
Video						Structure			
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				Casing Material			
Resolution		1080p (1920 × 1080); 960H (960 × 576/960 × 480)				Product Dimensions			
Day/Night		Auto(ICR)/Color/B/W				Net Weight			
BLC		BLC; HLC; DWDR				Gross Weight			
WDR		DWDR				Installation			
White Balance		Auto; Area white balance				Wall mount; ceiling mount; vertical pole mount			

Ordering Information		
Type	Model	Description
2M Camera	DH-HAC-HDW1200TRQP	2MP IR HDCVI Fixed-focal Eyeball Camera, PAL
	DH-HAC-HDW1200TRQN	2MP IR HDCVI Fixed-focal Eyeball Camera, NTSC
Accessories (Optional)	PFA13G	Junction Box
	PFA109	Mount Adapter
	PFB220C	Ceiling Mount Bracket
	PFB205W-E	Wall Mount Bracket
	PFA152-E	Pole Mount Bracket
	PFM800-E	1 Channel Passive HDCVI Balun
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester



Dimensions (mm [inch])



Accessories

Optional:



PFA13G
Junction
Box



PFA109
Mount
Adapter



PFB220C
Ceiling Mount
Bracket



PFB205W-E
Wall Mount
Bracket



PFA152-E
Pole Mount
Bracket



PFM800-E
1 Channel Passive
HDCVI Balun



PFM321D
12V 1A Power
Adapter



PFM904
Integrated Mount
Tester