

DH-HAC-HDW1200TMQ

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.
- 60 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.
- IP67, 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.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes.

Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

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.

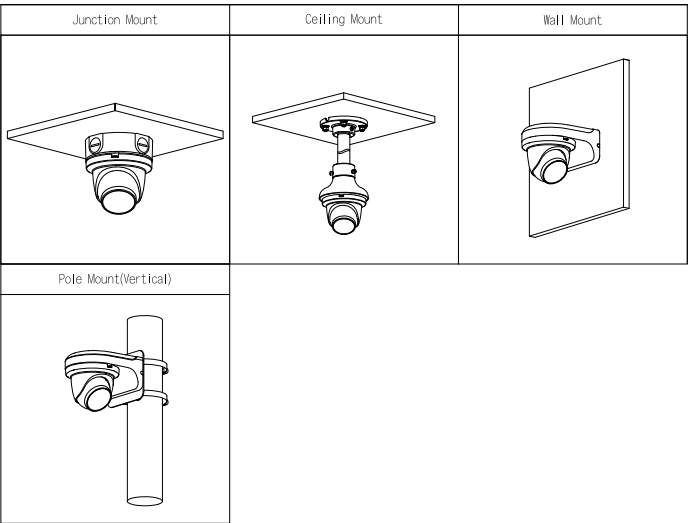
Long Distance Transmission

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						BLC		BLC; HLC; DWDR	
Camera						WDR		DWDR	
Image Sensor		2 MP CMOS				White Balance		Auto; Area white balance	
Max. Resolution		1920 (H) × 1080 (V)				Gain Control		Auto	
Scanning System		Progressive				Noise Reduction		3D NR	
Electronic Shutter Speed		PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s				Illumination Mode		Smart IR	
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Mirror		Yes	
S/N Ratio		>65 dB				Privacy Masking		Off/On (8 areas, rectangle)	
Certification									
Certifications						CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B			
Port									
Video Output						Video output choices of CVI/TVI/AHD/CVBS by one BNC port			
Power									
Power Supply						12 VDC ± 30%			
Power Consumption						Max 4.9 W (12 VDC, IR on)			
Environment									
Operating Temperature						–40 °C to +60 °C (–40 °F to +140 °F)			
Operating Humidity						<95% (RH), non-condensing			
Storage Temperature						–40 °C to +60 °C (–40 °F to +140 °F)			
Storage Humidity						<95% (RH), non-condensing			
Protection						IP67			
Structure									
Casing Material						Metal dome + metal enclosure + plastic mounting plate			
Product Dimensions						Φ121.9 mm × 99.1 mm (Φ4.80" × 3.90")			
Net Weight						0.40 kg (0.88 lb)			
Gross Weight						0.60 kg (1.32 lb)			
Installation						Wall mount; ceiling mount; vertical pole 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			


Ordering Information		
Type	Model	Description
2MP Camera	DH-HAC-HDW1200TMQP	2MP IR HDCVI Fixed-focal Eyeball Camera, PAL
	DH-HAC-HDW1200TMQN	2MP IR HDCVI Fixed-focal Eyeball Camera, NTSC
Accessories (Optional)	PFA130-E	Water-proof 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:




PFA130-E
Water-proof
Junction Box




PFA109
Mount
Adapter




PFB220C
Ceiling Mount
Bracket




PFB205W-E
Wall Mount
Bracket




PFA152-E
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PFM800-E
1 Channel Passive
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