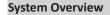


DH-HAC-HDW1200TMQ 2MP IR HDCVI Fixed-focal Eyeball Camera



- $\ensuremath{^*}$ The parameters and datasheets below can only be applied to1200-S6 series.
- Max. 30 fps@1080p.
- · Smart IR Illumination.
- \cdot 60 m illumination distance.
- · Super Adapt.
- \cdot Quick-to-install eyeball saves installation time.
- · 3.6 mm fixed lens (2.8 mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- · IP67, 12 VDC.



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.

Lite Series | DH-HAC-HDW1200TMQ

Technical Specification					
Camera					
Image Sensor		2 MP CMOS			
Max. Resolution		1920 (H) × 1080 (V)			
Scanning System		Progressive			
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s			
Min. Illumination		0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)			
S/N Ratio		>65 dB			
Illumination Distance		60 m (196.85 ft)			
Illuminator On/Off Control		Auto			
Illuminator Number		2 (IR light)			
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm; 3.6 mm			
Max. Aperture		F2.0			
Field of View		2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 105°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.7 m (2.30 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	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)
	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)
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/				

BLC	BLC; HLC; DWDR	
WDR	DWDR	
White Balance	Auto; Area white balance	
Gain Control	Auto	
Noise Reduction	3D NR	
Illumination Mode	Smart IR	
Mirror	Yes	
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	

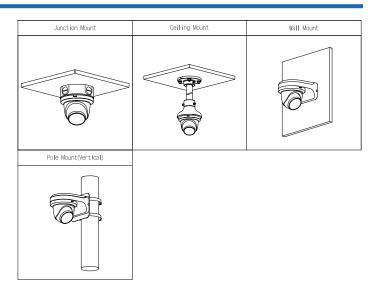
Video

project design tool.

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	

Lite Series | DH-HAC-HDW1200TMQ

Ordering Information						
Туре	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				



83.3 [3.28]

NA

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ø84.0 [ø3.31]

ø121.9 [ø4.80]

4-4.5×5.5 [0.18×0.22]

Dimensions (mm [inch])

Н

99.1 [3.90]

Accessories

Optional:



PFA130-E Water-proof Junction Box

PFA109 Mount Adapter



PFB220C Ceiling Mount Bracket



PFB205W-E Wall Mount Bracket



PFM321D 12V 1A Power Adapter



PFA152-E

Pole Mount

Bracket

PFM904 Integrated Mount Tester



PFM800-E 1 Channel Passive HDCVI Balun

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