

DH-HAC-HDW1200TLMQ(-A)

2MP HDCVI Quick-to-install IR Eyeball Camera



- · Max 30fps@1080P
- · Quick-to-install eyeball saves installation time
- · CVI/CVBS/AHD/TVI switchable
- · 3.6mm fixed lens (2.8mm optional)
- · Built-in mic(-A)
- · Max. IR length 30m, Smart IR
- · IP67, DC12V













System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 1080P HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

* Audio input is available for some models of HDCVI cameras.

Easy Installation

HDCVI Quick-to-install eyeball adopts quick-to-install pedestal, which can achieve easier installation than conventional eyeball. Quick-to-install camera reduces time and labor costs.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 800m(1080p)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.*

*Actual results verified by real-scene testing in Dahua's test laboratory.

Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Smart IR

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F),

the camera is designed for extreme temperature environments.
Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Lite Series | DH-HAC-HDW1200TLMQ(-A)

Video

Frame Rate

Resolution

Day/Night

White Balance

BLC

WDR

Technical Specification					Gain Control	Auto; manual	
Camera						Noise Reduction	2D NR
Image Sensor		1/2.7 inch CMOS				Smart IR	Yes
Max. Resoluti	ion	1920(H)×1080(V)				Electronic Defog	Yes
Pixel		2MP				Mirror	Off/On
Scanning Syst	em	Progressive				Privacy Masking	Off/On (8 area, rectangle)
Electronic Shu	utter Speed	PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Certifications	
S/N Ratio		>65dB					CE (EN55032:2015, EN 61000-3-2:2014, EN 61000- 3-3:2013, EN55024:2010+A1:2015, EN 55035:2017,
Min. Illuminat	tion	0.02Lux/F1.9, 30IRE, 0Lux IR on				Certifications	EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Illumination D	Distance	30 m (98.4 ft)				Port	
Illuminator O	n/Off Control	Auto; manual				Audio Output	One channel built-in mic (-A)
Illuminator No	umber	1				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one
Pan/Tilt/Rotation Range		Pan: 0°–360 Tilt: 0°–78°				·	BNC port
		Rotation: 0°–360°				Power	
Lens						Power Supply	12V ±30% DC
Lens Type		Fixed-focal				Power Consumption	Max 2.9W (12V DC, IR on)
Mount Type		M12				Environment	
Focal Length		2.8 mm; 3.6 mm				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)
Max. Aperture		F1.9				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (non-condensation)
Field of View		2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)				Protection Grade	IP67
						Structure	
Iris Type		Fixed iris				Casing	Metal dome+metal cover+plastic decorative ring
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)				Camera Dimensions	φ109.9 mm × 88.1 mm (φ4.33" × 3.47")
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Net Weight	0.33 Kg (0.73 lb)
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)	Gross Weight	0.44 Kg (0.97 lb)
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 ft)		

CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps;

TVI: 1080P@25/30fps; 720P@25/30fps;

1080P (1920×1080); 720P (1280×720); 960H (960×

720P@50/60fps; CVBS: 960H

576/960×480)

Auto switch by ICR

BLC/HLC/DWDR

Auto; manual

DWDR

Ordering Information							
Туре	Part Number	Description					
	DH-HAC- HDW1200TLMQP-A 2.8mm						
	DH-HAC- HDW1200TLMQN-A 2.8mm						
	DH-HAC- HDW1200TLMQP 2.8mm						
2MAD Camana	DH-HAC- HDW1200TLMQN 2.8mm	2MD HDCW ID Freshall Comore					
2MP Camera	DH-HAC- HDW1200TLMQP-A 3.6mm	2MP HDCVI IR Eyeball Camera					
	DH-HAC- HDW1200TLMQN-A 3.6mm						
	DH-HAC- HDW1200TLMQP 3.6mm						
	DH-HAC- HDW1200TLMQN 3.6mm						
	PFA13G	Junction Box					
	PFB205W	Wall Mount Bracket (For use alone or with PFA152-E)					
	PFA152-E	Pole Mount Bracket (For use with PFB205W)					
Accessories	PFA130-E	IP66 Junction Box					
555555.1.55	PFM800-E	Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM820	UTC Controller					
	PFM904	Integrated Mount Tester					

Accessories

Optional:

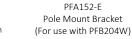






PFA13G Junction Box

PFB205W Wall Mount Bracket (For use alone or with PFA152-E)









PFA130-E IP66 Junction Box

PFM800-E Passive HDCVI Balun

PFM321D 12V 1A Power Adapter



UTC Controller





PFM904 Integrated Mount Tester

Junction Mount	Wall Mount	Ce ili ng Mount
Pole Mount(Vertical)		

Dimensions (mm[inch])

