

DH-HAC-HDW1200TRQ(-A)

2MP HDCVI Quick-to-install IR Eyeball Camera



- Max 30fps@1080P
- Quick-to-install eyeball saves installation time
- Built-in mic (-A)
- CVI/CVBS/AHD/TVI switchable
- 3.6mm fixed lens (2.8mm optional)
- Max. IR length 25m, Smart IR
- IP50, 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.*

*This function is available for select models.

Simplicity

HDCVI technology inherits the 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 that ensures 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

With working temperature range of -40°C to +50°C (-40°F to 122°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.

Technical Specification						Noise Reduction		2D NR	
Camera						Smart IR		Yes	
Image Sensor		1/2.7 inch CMOS				Mirror		Off/On	
Max. Resolution		1920(H)×1080(V)				Privacy Masking		Off/On (8 area, rectangle)	
Pixel		2MP				Certifications			
Scanning System		Progressive				Certifications		CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, 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)	
Electronic Shutter Speed		PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s				Port			
S/N Ratio		>65dB				Video Output		Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Min. Illumination		0.02 Lux/F1.9, 30IRE, 0 Lux IR on				Audio Interface		Built-in Mic (-A)	
Illumination Distance		25 m (82.0 ft)				Power			
Illuminator On/Off Control		Auto; manual				Power Supply		12V ±30% DC	
Illuminator Number		2 (IR)				Power Consumption		Max 2.6 W (12V DC, IR on)	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Environment			
Lens						Operating Temperature		-40°C to +50°C (-40°F to 122°F);<95% (non-condensation)	
Lens Type		Fixed-focal				Storage Temperature		-40°C to +50°C (-40°F to 122°F);<95% (non-condensation)	
Mount Type		M12				Protection Grade		IP50	
Focal Length		2.8 mm; 3.6 mm				Structure			
Max. Aperture		2.8 mm: F1.9 3.6 mm: F2.0				Casing		Plastic	
Field of View		2.8 mm: H: 101°; V: 54° ; D: 119° 3.6 mm: H: 84°; V: 45°; D: 100°				Dimensions		Φ97.1 mm × 93.0 mm (Φ3.82" × 3.66")	
Iris Type		Fixed iris				Net Weight		0.17 Kg (0.37lb)	
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.8 m (2.62 ft)				Gross Weight		0.23 Kg (0.51lb)	
DORI Distance	Lens	Detect	Observe	Recognize	Identify				
	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)				
	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)				
Video									
Frame Rate		CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps; CVBS: 960H							
Resolution		1080P (1920×1080); 720P (1280×720); 960H (960×576/960×480)							
Day/Night		Auto switch by ICR							
BLC		BLC/HLC/DWDR							
WDR		DWDR							
White Balance		Auto; manual							
Gain Control		Auto; manual							

Ordering Information

Type	Part Number	Description
2MP Camera	DH-HAC-HDW1200TRQP 2.8 mm	2MP HDCVI IR Eyeball Camera, PAL
	DH-HAC-HDW1200TRQP 3.6 mm	
	DH-HAC-HDW1200TRQN 2.8 mm	2MP HDCVI IR Eyeball Camera, NTSC
	DH-HAC-HDW1200TRQN 3.6 mm	
	DH-HAC-HDW1200TRQP-A 2.8 mm	2MP HDCVI IR Eyeball Camera, PAL
	DH-HAC-HDW1200TRQP-A 3.6 mm	
	DH-HAC-HDW1200TRQN-A 2.8 mm	2MP HDCVI IR Eyeball Camera, NTSC
	DH-HAC-HDW1200TRQN-A 3.6 mm	
Accessories	PFA13G	Junction Box
	PFB205W	Wall Mount Bracket
	PFA152-E	Pole Mount Bracket (For use with PFB205W)
	PFA130-E	Junction box
	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



PFA152-E
Pole Mount Bracket
(For use with PFB205W)



PFA130-E
Junction box



PFM800-E
Passive HDCVI Balun



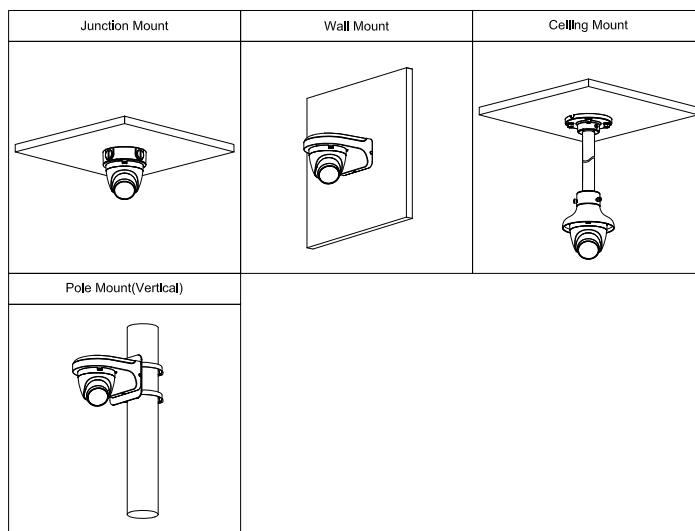
PFM321D
12V 1A Power Adapter



PFM820
UTC Controller



PFM904
Integrated Mount Tester



Dimensions (mm[inch])

