

DH-HAC-PT1200H1-IL-T

2MP Smart Dual Light Indoor HDCVI Two-way Talk Fixed-focal PT Camera



Series Overview

The PT Series boasts a compact design that enables horizontal and vertical rotation, delivering a wide monitoring area. With the integration of both panoramic and detail cameras, it achieves an exceptional balance between the two. Moreover, this series features diverse models with distinct structures, ensuring it can cater to the requirements of various large-scale monitoring scenes.

Functions

PT

Developed with a PT design, it has a dual shaft and dual motor. The motor can control the pan and the tilt, covering all the corners without any dead angles. This extends the monitoring area.

Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

Easy Installation

HDCVI PT camera comes with a quick-to-install design, which makes it easier to install than conventional camera and reduces cost on time and labor.

* In order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.

- Max 30 fps@1080p.
- Two-way Talk.
- 3D NR.
- Smart Dual Light.
- 25 m illumination distance.
- CVI/CVBS/AHD/TVI switchable.
- 12 VDC.



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.

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

Camera	
Image Sensor	2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100,000 s NTSC: 1/30 s–1/100,000 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	IR: 25 m (82.02 ft);Warm light: 25 m (82.02 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (Multi-core light)
Angle Adjustment	Pan : 0°–355° Tilt : 15°–85°

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: 111.3°; V: 60.8°; D: 134.2° 3.6 mm: H: 89°; V: 48.2°; D: 109.1°			
Close Focus Distance		2.8 mm: 0.5 m (1.64 ft) 3.6 mm: 0.7 m (2.30 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	40.6 m (133.20 ft)	16.2 m (53.15 ft)	8.1 m (26.57 ft)	4.1 m (13.45 ft)
	3.6 mm	49.9 m (163.71 ft)	20.0 m (65.62 ft)	10.0 m (32.81 ft)	5.0 m (16.40 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/project design tool.				

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
BLC	BLC; HLC; WDR
WDR	DWDR
White Balance	Auto
Gain Control	Auto/Manual
Noise Reduction	3D NR

Illumination Mode	Smart IR&WL (CVI, TVI); WL Mode; IR Mode
Mirror	Yes (It needs to be controlled through the XVR)

PT	
Pan/Tilt Range	Pan: 0°–355° Tilt: 15°–85° *Do not manually adjust the angle of the main body or enclosure.
Preset	80

Certification	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035;

Audio	
Built-in Mic	Yes
Camera Audio	CVI; TVI
Pick-up Distance	8 m (26.25 ft)
Two-way Talk	Yes (CVI, TVI)
Speaker	Yes
Speaker Distance	8 m (26.25 ft)

Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

Power	
Power Supply	12 VDC (±30%) (It is recommended to use a power adapter to supply the power for one camera)
Power Consumption	Max 7.2 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
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.

Structure	
Casing Material	Plastic
Product Dimensions	Φ110.0 mm × 121.2 mm (Φ4.33" × 4.77")
Net Weight	0.30 kg (0.66 lb)
Gross Weight	0.44 kg (0.97 lb)
Installation	Wall mount (accessory required); ceiling mount

Ordering Information		
Type	Model	Description
HDCVI CAMERA	DH-HAC-PT1200H1P-IL-T	2MP Smart Dual Light Indoor HDCVI Two-way Talk Fixed-focal PT Camera,PAL
	DH-HAC-PT1200H1N-IL-T	2MP Smart Dual Light Indoor HDCVI Two-way Talk Fixed-focal PT Camera,NTSC
Accessories (Optional)	DH-PFB1211W	Plastic Wall Mount Bracket
	DH-PFM800-E	1 Channel Passive HDCVI Balun
	PFM904	Integrated Mount Tester

Accessories

Optional:



DH-PFB1211W
Plastic Wall Mount
Bracket



DH-PFM800-E
1 Channel Passive HDCVI
Balun



PFM904
Integrated Mount Tester

Dimensions (mm[inch])

