

DH-HAC-PT1200B-IL-A-E2Z

2MP Smart Dual Light HDCVI Vari-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

Pan & Tilt

Developed with a PT design, it has a dual shaft and dual motor. The motor can control the pan range from 0° to 355° and the tilt range from 0° to 90°, covering all the corners without any dead angles. This extends the monitoring area.

Vari-Focal Dual-Lens

By seamlessly integrating dual sensor fusion technology and harnessing the power of two fixed-focal lenses that work together, the camera excels at performing zoom functions. This enables it to effortlessly record scenes that demand both close-up and long-range monitoring.

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.

- * The parameters and datasheets below can only be applied to PT1200B series.
- * 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
- · 3D NR
- · Vari-Focal Dual-Lens
- \cdot 6× Hybrid Zoom
- · Smart Dual Light
- · 50m illumination distance
- · Super Adapt
- · Built-in MIC
- \cdot CVI/CVBS/AHD/TVI switchable
- IP66, 12 VDC



Built-in Mic

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

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.

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

PT Series | DH-HAC-PT1200B-IL-A-E2Z

Technical Specification

Image Sensor2 MP CMOSMax. Resolution1920 (H) × 1080 (V)Scanning SystemProgressiveElectronic Shutter SpeedPAL: 1/25 s=1/100,000 s NTSC: 1/30 s=1/100,000 sMin. Illumination0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (G/WX 30 IRE)S/N Ratio>65 dBS/N Ratio>65 dBIlluminator O/Off ControlAuto/ManualIlluminator O/Off ControlAuto/ManualIlluminator O/Off ControlAuto/ManualIlluminator NumberFixed-focalAuto FocusNoLens TypeNoLens AugertureR: 20 m (164.04 ft) Warm light: 50 m (164.04 ft)Max. ApertureFixed-focalLens TypeSee mit 109°; V: 59.6°; D: 130.4°; 6.0 mm: H: 47.2°; V: 26.2°; D: 54.5°Ficel of ViewE2.0Field of ViewFixedClose FocusRikedLens ControlLens: 0.5 m (1.64 ft); 6.0 mm: H: 47.2°; V: 26.2°; D: 54.5°Iris ControlExeLensDetectObserveRecognizeI close FocusRecognizeAugertureS.1 mAugertureS.2 mm: 0.5 m (1.64 ft); 6.1 mm: 14.47.5°Close FocusEansAugertureBetectODRI ODRI ODSI beroor (35.6%) or defining the ability of a person viewing the video to (45.62376.4) for defining the ability of a person viewing the video to (45.62376.4) for defining the ability of a person viewing the video to distances, reflect intelligent function distances. For intelligent function distances, reflect intelligent function distances. For i	Camera	Camera				
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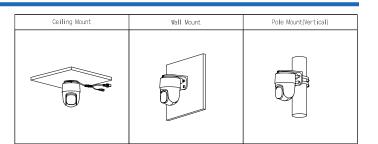
V	ic	e	0

Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 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; DWDR

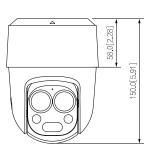
WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	3D NR
Illumination Mode	Smart IR&WL WL Mode; IR Mode
Defog	Electronic defog
Digital Zoom	6×
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)
РТ	
Pan/Tilt Range	Pan: 0°–355° Tilt: 0°–90° *Do not manually adjust 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
Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Power	
Power Supply	12 VDC \pm 30% (It is recommended to use a power adapter to supply the power for one camera)
Power Consumption	Max 5.1 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	IP66
Anti-corrosion Level	Basic Protection
Structure	
Casing Material	Plastic
Product Dimensions	Φ110.0 mm × 150.0 mm (Φ4.33" × 5.91")
Net Weight	0.46 kg (1.01 lb)
Gross Weight	0.65 kg (1.43 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

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Ordering Information				
Туре	Model	Description		
2MP Camera	DH-HAC-PT1200BP-IL-A-E2Z	2MP Smart Dual Light HDCVI Vari- focal PT Camera, PAL		
	DH-HAC-PT1200BN-IL-A-E2Z	2MP Smart Dual Light HDCVI Vari- focal PT Camera, NTSC		
Accessories (Optional)	DH-PFM800-E	1 Channel Passive HDCVI Balun		
	DH-PFM321-EN	DC12V 1A power adapter		
	DH-PFM321D-EN	DC12V 1A power adapter		
	DH-PFM320D-EN	DC12V 2A power adapter		
	PFM904	Integrated Mount Tester		



Dimensions (mm[inch])





Accessories

Optional:



DH-PFM800-E 1 Channel Passive HDCVI Balun



DH-PFM320D-EN DC12V 2A Power Adapter



DH-PFM321-EN DC12V 1A Power Adapter



PFM904 Integrated Mount Tester



DH-PFM321D-EN DC12V 1A Power Adapter

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