

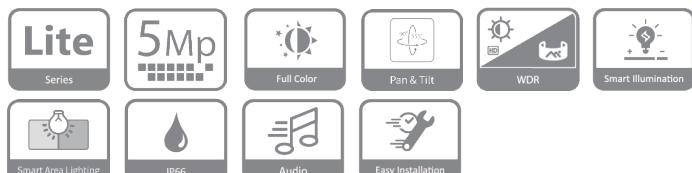
DH-HAC-PT1509A-A-LED

5MP Full-color HDCVI Fixed-focal PT Camera



* The parameters and datasheets below can only be applied to PT1509-S2 series.
* In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.000001.0.R.200908 or later version.

- Max. 25 fps@5MP (16:9 video output)
- 120 dB true WDR, 3D NR
- 24/7 color imaging
- Smart Area Lighting
- Pan & Tilt
- 40 m illumination distance
- Super Adapt
- Built-in Mic
- Quick-to-install structure saves installation time.
- 3.6 mm fixed lens (2.8 mm optional)
- IP66, 12 VDC.



Series Overview

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

Full-color

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 color monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

Smart Area Lighting

Automatically adjusts the intensity of the brightness and exposure for the left and right areas in the video based on the proportion and position of the targets to reveal more details in the image.

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.

Wide Dynamic Range

With its advanced Wide Dynamic Range technology (WDR), the camera captures highly detailed images and produces high-definition recordings in high-contrast lighting conditions, and in scenes with backlighting or shadows.

Broadcast-quality Audio

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.

Smart Warm Light Illumination

In dark environments, the camera produces vivid images in rich color through its warm LED lights. With its smart light mode setting, it automatically adjusts its exposure time and light sensitivity to avoid the overexposure of objects in the center of the image.

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.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

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.

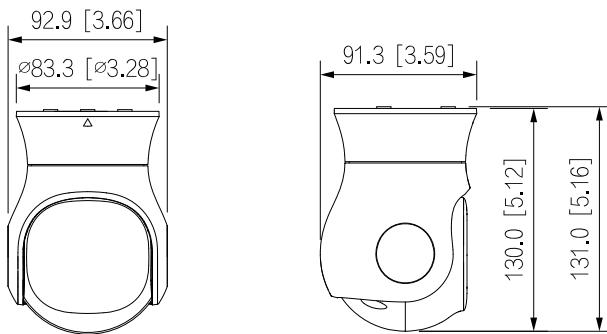
* Audio input is available for select HDCVI camera models.

Technical Specification							
Camera							
Image Sensor					5 MP CMOS		
Max. Resolution					2880 (H) × 1620 (V)		
Scanning System					Progressive		
Electronic Shutter Speed					PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s		
Min. Illumination					0.001 lux@F1.0 (Color, 30IRE) 0 lux (Illuminator on)		
S/N Ratio					>65 dB		
Illumination Distance					40 m (131.23 ft)		
Illuminator On/Off Control					Auto		
Illuminator Number					4 (Warm light)		
Angle Adjustment					Pan: 0°–355° Tilt: 0°–90°		
Lens							
Lens Type					Fixed-focal		
Auto Focus					No		
Lens Mount					M12		
Focal Length					2.8 mm;3.6 mm		
Max. Aperture					F1.0		
Field of View					2.8 mm: H: 111°; V: 57°; D: 131° 3.6 mm: H: 89°; V: 47°; D: 104°		
Iris Control					Fixed		
Close Focus Distance					2.8 mm: 1.5 m (4.92 ft) 3.6 mm: 2.2 m (7.22 ft)		
DORI Distance	Lens		Detect	Observe	Recognize		
	2.8 mm		66.0 m (216.54 ft)	26.4 m (86.61 ft)	13.2 m (43.31 ft)		
	3.6 mm		78.0 m (255.91 ft)	31.2 m (102.36 ft)	15.6 m (51.18 ft)		
Video							
Video Frame Rate							
CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 4M@25 fps NTSC: 4M@30 fps CVBS: PAL: 960H NTSC: 960H							
Resolution							
5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)							
Day/Night							
Color							
BLC							
BLC; HLC; WDR; HLC-Pro							
WDR							
120 dB							
White Balance							
Auto/Manual							
Gain Control							
Auto/Manual							
Noise Reduction							
3D NR							
Illumination Mode							
Smart Light							
Defog							
Electronic defog							
Digital Zoom							
4x							
Mirror							
Yes							
Privacy Masking							
Off/On (8 areas, rectangle)							
Certification							
Certifications							
CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035							
Port							
Video Output							
Video output choices of CVI/TVI/AHD/CVBS by one BNC port							
Audio Input							
One channel built-in Mic							
Power							
Power Supply							
12 VDC ± 30% (It is recommended to use a power adapter to supply the power for one camera)							
Power Consumption							
Max 7.7 W (12 VDC, LED 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							
92.9 mm × 91.3 mm × 130 mm (3.66" × 3.59" × 5.12")							
Net Weight							
0.40 kg (0.88 lb)							
Gross Weight							
0.64 kg (1.41 lb)							
Installation							
Wall mount; ceiling mount; vertical pole mount							

Ordering Information

Type	Model	Description
2MP Camera	DH-HAC-PT1509AP-A-LED	5M Full-color HDCVI PT Camera, PAL
	DH-HAC-PT1509AN-A-LED	5M Full-color HDCVI PT Camera, NTSC
Accessories (Optional)	PFA12C	Plastic Junction Box
	PFM800-4K	1-CH Passive Video Balun
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

Dimensions (mm[inch])



Accessories

Optional:



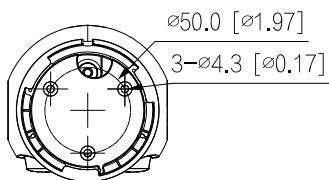
PFA12C
Plastic Junction Box



PFM800-4K
1-CH Passive Video Balun



PFM321D
12V 1A Power Adapter



PFM904
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