

DH-HAC-HDW1231TRQ-A

2MP Starlight HDCVI Quick-to-install IR Eyeball Camera



- · Max 30 fps@1080P
- · Starlight, 130 dB true WDR, 3D NR
- · 3.6 mm fixed lens (2.8 mm optional)
- · CVI/CVBS/AHD/TVI switchable
- · Super Adapt
- · Built-in mic
- · Max. IR length 25 m, Smart IR
- · Quick-to-install saves installation time















System Overview

Lite Series is suitable for users who requires high quality monitoring products at a reasonable price. It is cost effective and offers high performance, which makes it an ideal choice for residential and small-medium business applications. This series offers an option of a wide range of technologies such as Full-color and Starlight, providing various solutions for different scenarios.

Functions

Starlight

With the adoption of large sized high performance sensor and large aperture lens, the camera is able to provide incomparable performance even under extreme lowlight environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

Wide Dynamic Range

With advanced Wide Dynamic Range (WDR) technology, Dahua HDCVI camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Super Adapt

Embedded with intelligent algorithm, for changing external environment, camera can automatically adjust parameters to present the optimal image, and it solves the trouble of configuration.

Advanced 3DNR

3DNR is noise reduction technology that detects and eliminates random noises by comparing two sequential frames. Dahua's advanced 3DNR technology allows remarkable noise reduction with little impact to sharpness, especially under limited lighting condition. Besides, the advanced 3DNR effectively decreases the band width and saves the storage space.

Smart Illumination

The camera is designed with IR 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.

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.

CVBS:

Auto switch by ICR

BLC/WDR/HLC

Auto; manual

Auto; manual

130 dB

3D NR

Resolution

Day/Night BLC

White Balance

Gain Control

Noise Reduction

WDR

PAL: 1080P@25 fps; NTSC: 1080P@30 fps;

1080P (1920 × 1080); 960H (960 × 576/960 × 480)

PAL: 960 × 576H; NTSC: 960 × 480H

| Tochnical | nocification | | | | | Smart IR | | Yes | | |
|---------------------------------|--------------|---|---------------------|---------------------|--------------------|---|---------------------------------------|---|---|--|
| Technical Specification Camera | | | | | Mirror | | Off/On | | | |
| Image Sensor | | 1/2.8" CMOS | | | | Privacy Maski | nσ | Off/On (8 area, rectangle) | | |
| Max. Resolution | ın | 1920 (H) × 1080 (V) | | | | Certification | | | | |
| Pixel | "" | 2MP | | | | Certificatio | 1115 | CE (EN55032, EN55024, EN50130-4) | | |
| Scanning System | | Progressive | | | | Certifications | Certifications | | FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) | |
| | | PAL: 1/25 s-1/100,000 s | | | | UL (UL60950-1+CAN/CSA C22.2 No.60950-1) Port | | | | |
| Electronic Shu | ter Speed | NTSC: 1/30 s–1/100,000 s | | | | Video output choices of CVI/TVI/AHD/CVBS by one | | | | |
| S/N Ratio | | > 65 dB | | | | | | BNC port | | |
| Min. Illuminati | on | 0.002 Lux/F1.6, 30 IRE, 0 Lux IR on | | | | Audio Input | Audio Input One channel built-in mic | | | |
| Illumination Di | stance | 25 m (80 ft) | | | | Power | Power | | | |
| Illuminator On | /Off Control | Auto; manual | | | | Power Supply | y 12V ±30 | | 30% DC | |
| Illuminator Number | | 1 (IR light) | | | | Power Consur | mption Max 2.8 W (12V DC, IR on) | | | |
| Pan/Tilt/Rotation Range | | Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360° | | | | Environment | | | | |
| | | | | | | Operating Temperature | | -40°C to +50°C (-40°F to 122°F); < 95% (non-condensation) | | |
| Lens | | | | | | Storage Temp | Storage Temperature | | -40°C to +50°C (-40°F to 122°F); < 95% (non-conden- | |
| Lens Type | | Fixed lens | | | | Structure sation) | | | | |
| Mount Type | | M12 | | | | | | | | |
| Focal Length | | 2.8 mm; 3.6 mm | | | | Casing | | Φ97.1 mm × 93.0 mm (Φ3.82" × 3.66") | | |
| Max. Aperture | | F1.6 | | | | | Camera Dimensions | | | |
| Field of View | | 2.8 mm: H: 107°; V: 56°; D: 127° 3.6 mm: H: 86°; V: 46°; D: 101° | | | | Net Weight | | | 0.17 kg (0.37 lb) 0.23 kg (0.51 lb) | |
| Iris Type | | Fixed iris | | | | Gross Weight | it 0.23 kg (0.3. | | (0.51 ID) | |
| Close Focus Di | stance | 2.8 mm: 0.7 m (2.3 ft) | | | | Ordering I | Ordering Information | | | |
| DORI Distance | Long | 3.6 mm: 1.1 r | | Di | I d - maife . | Туре | Part Number | | Description | |
| | Lens 2.8 mm | 43.9 m | Observe 17.5 m | 8.8 m | Identify 4.4 m | 2M Camera | DH-HAC- HDW1231TRQP- | -A | 2MP Starlight HDCVI Quick-to-install IR Eyeball Camera | |
| | 3.6 mm | (144 ft) 53.7 m | (57.4 ft) 21.5 m | (28.9 ft) 10.7 m | (14.4 ft) 5.4 m | | DH-HAC- HDW1231TRQN | -A | 2MP Starlight HDCVI Quick-to-install IR Eyeball Camera | |
| Video | | (176.2 ft) (70.5 ft) (35.1 ft) (17.7 ft) | | | | PFA13G | | Junction box | | |
| Video | | CVI: | | | | | PFA130-E | | IP66 Junction box | |
| Frame Rate | | PAL: 1080P@25 fps; NTSC: 1080P@30 fps; AHD: | | | | | PFB205W | | Wall Mount Bracket (For use alone or with PFA152-E) | |
| | | PAL: 1080P@25 fps; NTSC: 1080P@30 fps; TVI: | | | | Accessories | PFA152-E | | Pole Mount Bracket (For use with PFB204W) | |

(Optional)

PFM800-E

PFM321

PFM820

PFM904

Passive HDCVI Balun

12V 1A Power Adapter

Integrated Mount Tester

UTC Controller

Accessories

Optional:



PFA13G Junction Box



PFA130-E IP66 Junction box



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



PFM800-E Passive HDCVI Balun



PFM321 12V 1A Power Adapter



PFA152-E

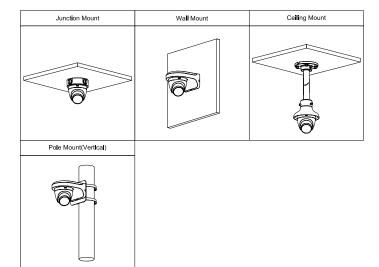
Pole Mount Bracket

(For use with PFB204W)

PFM820 UTC Controller



PFM904 Integrated Mount Tester



Dimensions (mm [inch])

