

DH-SD42212I-HC

2MP 12x PTZ HDCVI Camera



- 1/2.8" 2Megapixel Exmor CMOS
- Powerful 12x optical zoom
- Max. 25/30fps@1080P
- DWDR, 3D DNR
- IP66, IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD42 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 12x optical zoom. SD42 series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Simplicity

HDCVI technology inherits the born 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.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140°F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Technical Specification

Camera

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|--------------------------|--|
| Image Sensor | 1/2.8" Exmor CMOS |
| Effective Pixels | 1920(H) x 1080(V), 2 Megapixels |
| Scanning System | Progressive |
| Electronic Shutter Speed | 1/3s~1/300,000s |
| Minimum Illumination | Color: 0.05Lux@F1.6; B/W:0.005Lux@F1.6 |
| S/N Ratio | More than 50dB |
| IR Distance | N/A |
| IR On/Off Control | N/A |
| IR LEDs | N/A |

Lens

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|----------------------|-----------------|
| Focal Length | 5.1mm~61.2mm |
| Max. Aperture | F1.6 ~ F3.0 |
| Angle of View | H: 51.3° ~ 4.6° |
| Optical Zoom | 12x |
| Focus Control | Auto/Manual |
| Close Focus Distance | 100mm~ 1000mm |

PTZ

| | |
|----------------------|---|
| Pan/Tilt Range | Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto flip 180° |
| Manual Control Speed | Pan: 0.1° ~ 300° /s; Tilt: 0.1° ~ 120° /s |
| Preset Speed | Pan: 300° /s; Tilt: 200° /s |
| Presets | 300 |
| PTZ Mode | 5 Pattern, 8 Tour, Auto Pan ,Auto Scan |
| Speed Setup | Human-oriented focal Length/ speed adaptation |
| Power up Action | Auto restore to previous PTZ and lens status after power failure |
| Idle Motion | Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period |
| Protocol | DH-SD, Pelco-P/D (Auto recognition) |

Video

| | |
|------------------------|--|
| Resolution | 1080P(1920x1080)/720P(1280x720) |
| Frame Rate | 25/30fps@1080P/720P |
| Video Output | 1-channel BNC HDCVI high definition video output/ CVBS standard definition video output (switchable) |
| Day/Night | Auto(ICR) / Color / B/W |
| OSD Menu | Support |
| Backlight Compensation | BLC / HLC / DWDR |
| White Balance | Auto,ATW,Indoor,Outdoor,Manual |
| Gain Control | Auto / Manual |
| Noise Reduction | Ultra DNR (2D/3D) |

| | |
|-----------------|----------------|
| Digital Zoom | 16x |
| Flip | 180° |
| Privacy Masking | Up to 24 areas |

Certifications

| | |
|----------------|---|
| Certifications | CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1 |
|----------------|---|

Interface

| | |
|-----------------|--------------|
| Video Interface | 1 |
| Audio Interface | 1 channel in |
| RS485 | 1 |
| Alarm | 2/1 |

Electrical

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|-------------------|------------------|
| Power Supply | AC24V/1.5A(±10%) |
| Power Consumption | 10W |

Environmental

| | |
|----------------------|--|
| Operating Conditions | -30°C ~ 60°C (-22°F ~ +140°F) / Less than 90% RH |
| Ingress Protection | IP66 |
| Vandal Resistance | IK10 |

Construction

| | |
|--------------|------------------|
| Casing | Metal |
| Dimensions | Φ198(mm)×158(mm) |
| Net Weight | 1.8kg(3.97lb) |
| Gross Weight | 3.3kg(7.28lb) |

Ordering Information

| Type | Part Number | Description |
|----------------|-----------------|--------------------------------|
| 2MP PTZ Camera | DH-SD42212I-HC | 2MP 12x PTZ HDCVI Camera, PAL |
| | DH-SD42212IN-HC | 2MP 12x PTZ HDCVI Camera, NTSC |
| | SD42212I-HC | 2MP 12x PTZ HDCVI Camera, PAL |
| | SD42212IN-HC | 2MP 12x PTZ HDCVI Camera, NTSC |
| Accessories | PFB302S | Wall Mount |
| | PFA102 | Mount Adapter |
| | AC24V/1.5A | Power Supply |
| | PFB300C | Ceiling Mount |
| | PFA150 | Pole Mount |
| | PFA151 | Corner Mount |

Accessories

Included:



AC24V/1.5A Power Supply

Optional:



PFB302S Wall Mount



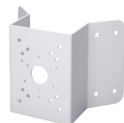
PFA102 Mount Adapter



PFB300C Ceiling Mount



PFA150 Pole Mount



PFA151 Corner Mount

| Ceiling Mount | Junction Mount |
|---------------------------|---------------------------|
| PFA102 + PFB300C | PFA102 + PFB302S + PFA120 |
| | |
| Pole Mount | Corner Mount |
| PFA102 + PFB302S + PFA150 | PFA102 + PFB302S + PFA151 |
| | |

Dimensions (mm)

