

Z-HE2EMNFN12-S

2MP 12x Starlight PTZ HDCVI Camera



- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 12x optical zoom
- Starlight technology
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- 120dB true WDR, 3D DNR
- IK10



System Overview

Featuring a powerful optical zoom and accurate pan/tilt/zoom performance, this flush mount PTZ camera can provide a wide monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 12x optical zoom and has excellent low light performance due to the use of the latest Starlight® technology. This PTZ is equipped with quick and smooth control, high quality image and vandal protection, which means it can meet most requirements of video surveillance applications.

Function

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.

Starlight Technology

For challenging low-light applications, Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

Featuring industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

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.

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Technical Specifications

Camera

| | |
|--------------------------|---|
| Image Sensor | 1/2.8" STARVIS™ CMOS |
| Effective Pixels | 1920(H) x 1080(V), 2 Megapixels |
| Scanning System | Progressive |
| Electronic Shutter Speed | PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s |
| Minimum Illumination | Color: 0.005Lux@F1.6; B/W:0.0005Lux@F1.6 |
| S/N Ratio | More than 50dB |
| IR Distance | N/A |
| IR On/Off Control | N/A |
| IR LEDs | N/A |

Lens

| | |
|----------------------|-----------------|
| Focal Length | 5.3mm~64mm |
| Max. Aperture | F1.6 ~ F3.0 |
| Angle of View | H: 58.2° ~ 4.8° |
| Optical Zoom | 12x |
| Focus Control | Auto/Manual |
| Close Focus Distance | 100mm~ 1000mm |

DORI Distance

*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

| Detect | Observe | Recognize | Identify |
|--------------|--------------|-------------|------------|
| 883m(2897ft) | 353m(1158ft) | 177m(581ft) | 88m(289ft) |

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

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|--------------|--|
| Resolution | 1080P(1920×1080)/720P(1280×720) |
| Frame Rate | 25/30fps@1080P, 25/30/50/60fps@720P |
| Video Output | 1-channel BNC high definition video output/ CVBS standard definition video output (switchable) |

| | |
|------------------------|------------------------------------|
| Day/Night | Auto(ICR) / Color / B/W |
| OSD Menu | Support |
| Backlight Compensation | BLC / HLC / WDR(120dB) |
| 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 |

Certi ation

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

Interface

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|-----------------|--------------|
| Video Interface | 1 |
| Audio Interface | 1 channel in |
| RS485 | 1 |
| Alarm I/O | 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 95% RH |
| Ingress Protection | N/A |
| Vandal Resistance | IK10 |

Constructio

| | |
|--------------|--------------------|
| Casing | Metal |
| Dimensions | Φ198(mm) x 158(mm) |
| Net Weight | 2.3kg(5.07lb) |
| Gross Weight | 3.3kg(7.28lb) |

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Accessories

Included:



AC24V/1.5A
Power Adapter

Dimensions (mm)

