

WS-FHD320Y-ICR-S4

2MP Starlight AHD IR Autofocus Camera



- Starlight, Digital WDR, 2D+3DNR
- Max 30fps@1080P
- Switchable AHD/TVI/CVI/CVBS Output
- 3.6mm fixed lens
- Max. IR length 50m, Smart IR
- IP66, DC12V



System Overview

Experience full HD 1080P video with the simplicity of using existing coaxial infrastructure. The starlight AHD camera presents high quality image with rich details even under extreme lowlight environment and supports digital WDR. It offers various motorized varifocal lens models with multi-language OSD and HD/SD switchable output. The outstanding performance and digital WDR feature make the camera an ideal choice for mid to large-size business and common projects where both highly reliable surveillance and construction flexibility are concerned.

Functions

3 Signals over 1 Coaxial Cable

AHD technology supports 3 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio and data. Dual-way data transmission allows the AHD camera to interact with the DVR, such as sending control signal or triggering alarm.

Long Distance Transmission

AHD technology guarantees real-time transmission at long distance without any loss. It supports up to 400m HD transmission via coaxial cable.

Multi-formats

The camera supports multiple video formats including AHD, HDTVI, HDCVI and CVBS. The four formats can be switched over by using included UTC controller. This feature makes the camera to be compatible with not only AHD digital video recorders, but also most end users` existing HD/SD DVRs.

OSD menu

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance and privacy mask.

Technical Specification

Camera

| | |
|--------------------------|-------------------------------|
| Image Sensor | 1/2.8" Sony Exmor IMX291 CMOS |
| Effective Pixels | 1920(H)x1080(V), 2MP |
| Electronic Shutter Speed | 1/25~1/50000s |
| Minimum Illumination | 0.1Lux/F1.2, 0Lux IR On |
| S/N Ratio | More than 52dB |
| IR Distance | Up to 50m |
| IR LEDs | 36 IR LED |

Lens

| | |
|--------------|------------|
| Lens Type | Fixed lens |
| Mount Type | Board-in |
| Focal Length | 3.6mm |
| Max Aperture | F1.2 |

Pan / Tilt / Rotation

| | |
|-----------------------|----------------------------------|
| Pan / Tilt / Rotation | Pan: 0° ~ 360° Tilt: 0° ~ 78° |
|-----------------------|----------------------------------|

Video

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|-----------------|---|
| Resolution | 1080P (1920x1080) |
| Frame Rate | 25/30fps@1080P, 25/30fps@720P |
| Video Output | 1-channel BNC high definition video output / CVBS video output (can switch) |
| Day/Night | Auto / Color / BW |
| OSD Menu | Multi-language |
| BLC Mode | ON / OFF / HLC / HSBL |
| WDR | Digital WDR |
| Gain Control | Auto / Manual |
| Noise Reduction | 2D / 3D |
| White Balance | ATW / AWB / Manual / Outdoor / Indoor / AWC-Set |
| Defog | Auto / Off |
| Sens-up | Auto / Off |
| Sharpness | On / Off, level adjustable |

Certifications

| | |
|----|------------------|
| CE | EN55032, EN55024 |
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Interface

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|-----------------|-----|
| Audio Interface | N/A |
|-----------------|-----|

Electrical

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|-------------------|-------------------------|
| Power Supply | 12VDC +/- 10% |
| Power Consumption | Max 7.2W (12VDC, IR on) |

Environmental

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| Operating Conditions | -20°C ~ +55°C, 10~90% RH |
| Ingress Protection & Vandal Resistance | IP66 |

Construction

| | |
|--------|-------|
| Casing | Metal |
| Weight | 0,5Kg |

Ordering information

| Type | Part Number | Description |
|------------|-------------------|---------------------------------------|
| 2MP Camera | WS-FHD320Y-ICR-S4 | 2MP Starlight AHD IR Autofocus Camera |

