WS-FHD320Y-ICR-T2

2MP Starlight AHD IR Autofocus Camera

- Starlight, Digital WDR, 2D+3DNR
- Max 30fps@1080P
- Switchable AHD/TVI/CVI/CVBS Output
- 2.8~12mm motorized lens
- Max. IR length 60m, 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 60m
IR LEDs	4 Array LED

Lens

Lens Type	Motorized lens / Fixed iris
Mount Type	Board-in
Focal Length	2.8~12mm
Max Aperture	F1.2

Pan / Tilt / Rotation

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

Video

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 / HSBLC
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

Interface

Audio Interface	N/A

Electrical

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

Environmental

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-T2	2MP Starlight AHD IR Autofocus Camera