

# AVS-Z230IR

2MP 30x Starlight IR PTZ HD-AVS Camera



- 1/2.8" 2 Megapixel STARVIST™ CMOS
- Powerful 30x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IR distance up to 150m
- IP66

## System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the AVS-Z230IR series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 30x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology.

The AVS-Z230IR series PTZ is equipped with smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

## Functions

### Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HD-AVS 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. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

### Wide Dynamic Range

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

### Environmental

With a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

### Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

## Technical Specification

### 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; 0Lux@F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 150m (492ft)
IR On/Off Control	Auto/Manual
IR LEDs	6

### Lens

Lens Type	4.5mm~135mm			
Max. Aperture	F1.6 ~ F5.0			
Angle of View	H: 67.8° ~ 2.4°			
Optical Zoom	30x			
Focus Control	Auto / Manual			
Close Focus Distance	100mm~ 1000mm			
DORI Distance	Detect	Observe	Recognize	Identify
	1862m	744m	372m	186m
	6109ft	2441ft	1220ft	610ft

### Pan/Tilt/Rotation

Pan/Tilt Range	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~160° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 240° /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	ICR-SD, Pelco-P/D (Auto recognition)

### Video

Resolution	1080P(1920x1080)/720P(1280x720)
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
BLC Mode	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

### Certifications

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

Video Interface	1-channel BNC
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1

### Electrical

Power Supply	AC24V/3A(±10%)
Power Consumption	13W, 23W (IR on)

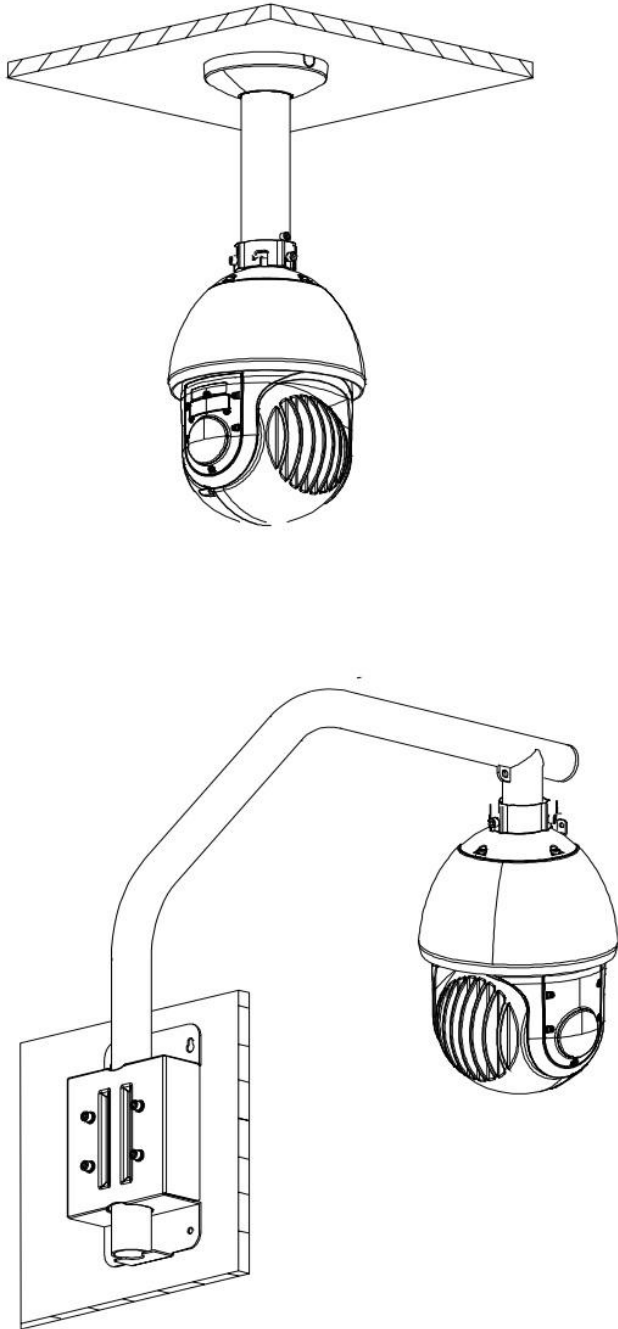
### Environmental

Operating Conditions	-40°C ~ 60°C (-40°F ~ +140°F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	N/A

### Construction

Casing	Metal
Dimensions	Φ205(mm) x 336(mm)
Net Weight	5kg(11.02lb)
Gross Weight	8.3kg(18.30lb)

Mounting



Dimensions (mm/in)

