

SN-IPS57/21MDR/ZSC30

1080P Starlight Network IR High Speed Dome



- 1/1.9" Progressive Scan CMOS
- 30X Optical Zoom,16X Digital Zoom
- HD 1080P(1920×1080),Starlight 0.001Lux
- Smart IR Range 200m
- Low bitrate ,Good low light performance
- 3D DNR, dWDR, ICR, IVS
- Auto Tracking
- IP66

System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera can provide large monitoring range and great detail. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera 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

Starlight Technology

For challenging low-light applications, Sunell's Starlight Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.001 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of Perimeter, Single Virtual Fences, Double Virtual Fences Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, and Signal Bad.

Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multiframe reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

Environmental

Sunell cameras operate in extreme temperature environments, rated for use in temperatures from -40°C ~ 60°C (-40°F ~ +140°F) with 90% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for $\pm 20\%$ input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

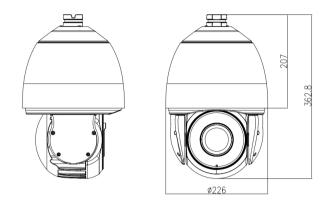
Technical Specification

Camera	
Image Sensor	1/1.9" Progressive Scan CMOS
Effective Pixels	1920(H) x 1080(V)
Scanning System	Progressive
Electronic Shutter	Auto/Manual, 1/1~1/10000s
Min. illumination	Color:0.001Lux@(F1.2,AGC ON) B/W:0Lux@(IR LED ON)
S/N Ratio	55dB
IR Distance	Smart IR up to 200m
IR On/Off Control	Auto/Manual
IR LEDs	10pcs
Lens	
Focal Length	6~180mm
Max. Aperture	F5~F4.3
Angle of View	H:61.2°~2.32°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~1000mm(Wide ~Tele)
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: -10° ~ +90°
Manual Control Speed	Pan: 0.1° ~180° /s, Tilt: 0.1° ~90° /s
Preset Speed	Pan: 180° /s, Tilt: 90° /s
Presets	400
PTZ Mode	6 Track, 12 Tour, 12 Scan,
Speed Setup	Auto/Manual (0-8)
Power up Action	Support
Idle Motion	Activate Preset/ Scan/ Tour/ Track if there is no command in the specified period
Intelligence	
Auto Tracking	Support
IVS	Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad
Video	
Compression	H.265, H.264, MJPEG
Streaming Capability	3 Streams
Stream / Frame Rate	Stream 1: 1920×1080/1280×720 @ 25/30fps Stream 2: D1/VGA/640×360/CIF/QVGA @25/30fps Stream 3: VGA/CIF/QVGA @25/30fps

Bit Rate ControlCBR/VBRBit RateStream1: 200kbps-12Mbps Stream3: 100kbps-0Mbps Stream3: 100kbps-0MbpsDay/NightAuto(ICR) / Color / BWImageBLC/HLC/dWDRWhite BalanceAuto/Tungsten/Fluorescent/Daylight/Shadow/ManualGain ControlAuto/AnualGain ControlZ0/3D DNRBitechnic CompanyTesaBitechnic CompanyNADefog16xDigital Zoom16xRegion of InterestOff / On (& Zone)MirrorOff / On (& Zone)Privacy MaskingOff / On (& Area, Rectangle)Privacy MaskingOff / On (& Area, Rectangle)Bit RateBobs (G.711, 16kbs (RAW_PCM)Bit RateRoyado (Sanger Company)Protocols:S1-45 (10100Base-T)Protocols:ProviDrey, BO2 xt, HTTP, HTTPS, TCP/IP, UDP/IP, PTP, APR, SNMPInteroperabilityINVIF, CGI, SDKStreaming MethoJustersStreaming MethoStocal PC for instant recording Stocal PC for instant recor			
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General	
Power Supply	AC24V/Hi-POE (Adapter optional)
Power Consumption	Less than 40W
Operating Temperature	Starting Temperature: -30°C ~ 60°C (-22°F ~ 140 °F) Working Temperature:-40°C ~ 60°C (-40°F ~ 140 °F)
Storage Conditions	Less than 90% RH
Ingress Protection	IP66,TVS4000V
Certifications	CE/FCC
Casing	Metal
Dimensions	Ф226x362.8mm
Net Weight	5.2Kg

Dimensions(mm)



Accessories

Optional:





SN-BK348 Ceiling Bracket



SN-BK605 Corner Mount

SN-BK349 Wall Bracket



SN-BK604B Pole Mount

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