SUNELL

SN-IPS8641YDS-Z30

5-inch 4MP Smart Dual Light Network PTZ Camera

Key Features

- 1/1.8" progressive scan CMOS

- 30x optical zoom, 16x digital zoom

- Support face, human and vehicle detection and capture

- Support smoke and fire detection as well as smart motion detection

- Auto tracking and perimeter protection based on deep learning

- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking and people counting

- True WDR, 3D DNR, ICR, Optical Defog and EIS

- Built-in Microphone and Speaker

- Smart Illumination, Up to 250 m IR and 60 m warm light distance

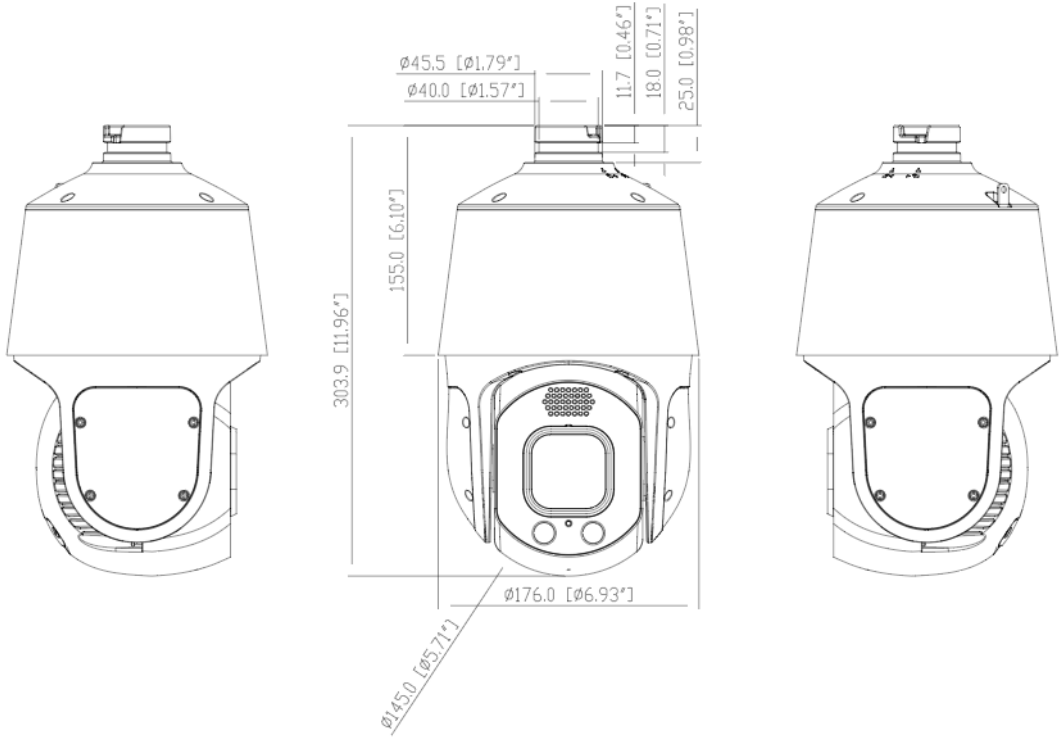- Built-in SD card slot, up to 256GB

- IP66

Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2592(H) × 1520(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.007 Lux @ (F1.6, AGC ON), B/W: 0.002 Lux @ (F1.6, AGC ON), 0 Lux with light
Day & Night	Auto (ICR)

Lens

Focal Length	7 to 210 mm
Max. Aperture	F1.61 to F5.15
Angle of View	H: 59.2° to 2.5°, V: 34.6° to 1.4°
Optical Zoom	30x
Digital Zoom	16x
Iris Control	Auto/Manual
Focus Control	Auto/Manual/Semi-automatic

DORI Distance

Lens	Detect	Observe	Recognize	Identify
7 mm	95 m (311.7 ft)	38 m (136.5 ft)	19 m (62.3 ft)	9.5 m (31.2 ft)
210 mm	2,240 m (7,349.1 ft)	896 m (2,939.6 ft)	448 m (1,469.8 ft)	224 m (734.9 ft)

Illuminator

Illuminator Type	IR, Warm light
Illumination Distance	IR distance up to 250m (820.21ft) Warm lights distance up to 60m (196.85ft)
Illuminator On/Off Control	Auto/Manual

PTZ

Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: -15° to +90°
Pan Speed	Pan speed: 0.1° to 180°/s, preset speed: 180°/s
Tilt Speed	Tilt speed: 0.1° to 90°/s, preset speed: 90°/s
Presets	400
Patrol Scan	6 Track, 12 Scan, 12 Patrol (up to 32 presets each patrol)

Power-Off Memory	Support
3D Positioning	Support
PTZ Status Display	Support
Idle Motion	The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run.

Video	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592×1520, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 500kbps to 16Mbps Stream2: 200kbps to 12Mbps Stream3: 200kbps to 12Mbps
Smart Encoder	Support
Region of Interest (ROI)	Support

Audio	
Compression	G.711: 64Kbps, RAW_PCM: 128Kbps
Sound Warning	Sound warning alarm: Customizable voice and alarm sounds

Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation
Mirror	Support
Exposure Mode	Auto/Manual
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, EIS
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Motion Detection	Support
Privacy Masking	Support 40 zones, mask color configurable

Smart Function	
Multi-Object Detection	Support face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, Smart motion detection (support the accurate detection of vehicle and human)

Smoke and Fire Detection	Support
People Counting	Support
Smart Tracking	Support
Network	
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, RTSP/RTP/RTCP, IGMP/Multicast, SMTP, DHCP, NTP, DNS, DDNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF, SDK, CGI
Streaming Method	Multicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Support
Built-in Speaker	Support
Audio Interface	1ch Input, 1ch Output
Alarm Interface	2ch Input, 2ch Output
Reset Button	Support
SD Card Slot	Built-in, up to 256GB
Electrical	
Power Supply	24VAC/36VDC/PoE+ (IEEE 802.3at), Standard Equipped: 36VDC
Power Consumption	Less than 25 W (illuminator + speaker + PTZ working + glass defogging)
Operating Temperature	-40°C to 60°C (-40°F to 140 °F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE/FCC
Casing	Metal
Dimensions	φ176.0 × 303.9 mm (φ6.93 × 11.96 inch)
Net Weight	4 Kg (8.82 lb)

Dimensions (mm)

Accessories

Optional：

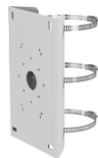|			
SN-CBK504A Wall Bracket	SN-BK348A Ceiling Bracket	SN-BK605 Corner Mount	SN-BK604B Pole Mount
SN-BK367 Junction Box	SN-BK359 Pole Mount	SN-BK358 Corner Mount	