SUNELL

SN-IPS8641WDL-Z37

7-inch 4MP 37x Starlight Laser PTZ Network Camera

Key Features

- 1/1.8" 4MP STARVIS™ CMOS

- 37x optical zoom and 16x digital zoom

- Support face, human and vehicle detection and capture

- Support smoke & 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, HLC, BLC, Defog and EIS

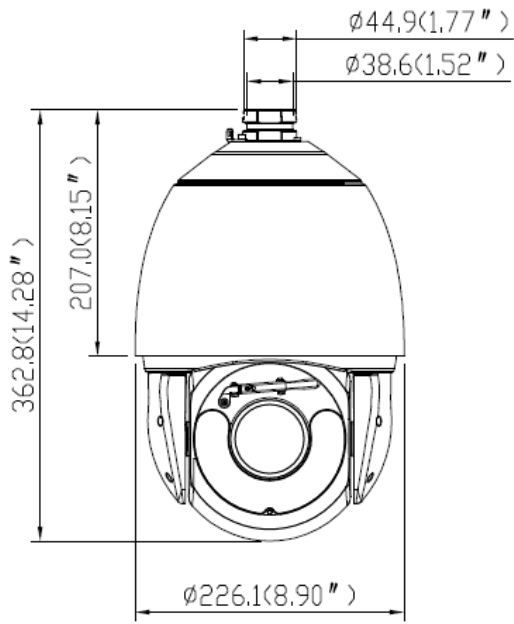- Laser illumination distance up to 600m

- IP66

Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2592(H) × 1520(V)
Min. illumination	Color: 0.001 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON), 0 Lux with IR
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Day & Night	Auto (ICR)
Wiper	Support

Lens

Focal Length	6.8 to 251 mm, 37x optical zoom
Aperture	F1.5 to F4.8
Angle of View	H: 60.7° to 2.33°, V: 36.8° to 1.38°
Zoom Speed	Approx. 2.5s
Iris Control	Auto/Manual
Focus Control	Auto/Manual/Semi-automatic
Digital Zoom	16x

DORI Distance

Lens	Detect	Observe	Recognize	Identify
Wide	100m (328.1ft)	40m (131.2ft)	20m (65.6ft)	10m (32.8ft)
Tele	4,000m (13,123.4ft)	1,600m (5,249.3ft)	800m (2,624.6ft)	400m (1,312.3ft)

Illuminator

Illuminator Type	IR + Laser
Illumination Distance	Up to 600m (1,968.5ft)
Smart Illumination	Support

PTZ

Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: -10° to +90°
Pan Speed	Pan speed: 0.1° to 300°/s, preset speed: 300°/s
Tilt Speed	Tilt speed: 0.1° to 300°/s, preset speed: 300°/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: 200kbps to 16Mbps Stream2: 100kbps to 6Mbps Stream3: 100kbps to 3Mbps
Smart Encoder	Support
Region of Interest (ROI)	Support
Audio	
Audio Compression	G.711, RAW_PCM
Audio Bit Rate	64Kbps (G.711), 128Kbps (RAW_PCM)
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	50dB
Privacy Masking	Support 40 zones, mask color configurable
Smart Function	
Basic Event	Motion detection alarm, I/O alarm, Disk alarm, Network alarm
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 & 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
Audio Interface	1ch Input, 1ch Output
Alarm Interface	7ch Input, 2ch Output
RS-485	Support
CVBS Interface	Support
SD Card Slot	Built-in, up to 1TB
Electrical	
Power Supply	24VAC/36VDC/PoE++ (IEEE 802.3bt), Standard Equipped: 36VDC
Power Consumption	Less than 45 W
Operating Temperature	-40°C to 60°C (-40°F to 140 °F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66, TVS4000V
Certifications	CE/FCC
Casing	Metal
Dimensions	φ226×362.8mm (φ8.9×14.28 inch)
Net Weight	5.5Kg (12.13lb)

Dimensions (mm)

Ø44,9(1.77")
Ø38,6(1.52")
207.0(8.15")
362.8(14.28")
Ø226.1(8.90")

Accessories

Optional：

SN-BK349
Wall Bracket

SN-BK348A
Ceiling Bracket

SN-BK605
Corner Mount

SN-BK604B
Pole Mount

SN-BK367
Junction Box

SN-BK355
Wall Bracket

SN-BK358
Corner Mount

SN-BK359
Pole Mount