RPZ8641WDL-Z37
4MP 37x Starlight Laser PTZ Network Camera

NDAA Compliant

- 1/1.8" STARVIS^{TM} CMOS
- 37x optical zoom and 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, HLC, BLX, Defog and EIS
- Laser illumination distance up to 600m
- IP66

Onvif

Technical Specification

Camera

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

Lens

Focal Length	6.8mm to 251mm, 37x optical zoom
Max. Aperture	F1.5 to F4.8
Angle of View	H: 60.7°–2.33° V: 36.8°–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
Tele	100m (328.1ft)	40m (131.2ft)	20m (65.6ft)	10m (32.8ft)
Wide	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 12Mbps 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)

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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, 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	1ch Input, 1ch 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 45W
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; NDAA Sec. 889
Casing	Metal
Dimensions	Φ226mm x 362.8mm (Φ8.9" x 14.28")
Net Weight	5.5Kg (12.13lb)

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Accessories

Optional:

RBK349 Wall Bracket	RBK348A Ceiling Bracket	RBK605 Corner Mount	RBK604B Pole Mount
RBK367 Junction Box	RBK355 Wall Bracket	RBK358 Corner Mount	RBK359 Pole Mount

Dimensions (mm)

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