

RDO8084EEAR-VZ

5MP IR Varifocal Dome Network Camera



Key Features

- 1/1.8" progressive scan SONY STARVIS II™ CMOS
- Max. 8MP(3840×2160) @25/30fps resolution
- 3.6 to 11 mm motorized focal lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, Illegal parking, smart motion detection (SMD), and people counting
- True WDR, 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 50 m
- 1/1 audio input/output, 1/1 alarm input/output
- Built-in micro SD card slot (up to 1 TB)
- IP66, IK10 protection

Technical Specification

Camera

Image Sensor	1/1.8" Progressive Scan SONY STARVIS II™ CMOS
Max. Resolution	8MP, 3840(H) × 2160(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.003 Lux @ (F1.3, AGC ON) , B/W: 0 Lux with IR
Day & Night	Auto (ICR)
Wide Dynamic Range	True WDR 120DB
Angle Adjustment	Pan: 0° to 355°, Tilt: 0° to 75°, Rotation: 0° to 355°

Lens

Lens Type	Varifocal lens, Motorized focal
Iris	DC Iris
Focal Length	3.6 to 11 mm
Max. Aperture	F1.3
Field of View (FOV)	H: 113.4° to 48.9°, V: H: 59° to 26.6°

DORI Distance

Lens	Detect	Observe	Recognize	Identify
Wide (3.6 mm)	85.4 m (280.2 ft)	34.2 m (112.2 ft)	17.1 m (56.1 ft)	8.5 m (27.9 ft)
Tele (11 mm)	184.8 m (606.3 ft)	73.9 m (242.5 ft)	37 m (121.4 ft)	18.5 m (60.7 ft)

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.

Illuminator

Illuminator Type	IR
Illumination Distance	Up to 50 m (164.0 ft)
Illumination On/Off Control	Auto/Manual
Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
People Counting	Support

Video and Audio

Video Compression	Support H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 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: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Smart Encoder	Support
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 μ -law, RAW PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

Image

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Aisle Mode	Support
Mirror	Support
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Privacy Masking	4 areas

Event

Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm
Alarm Events	Alarm record, FTP upload, SMTP upload

Network

Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
User/Host Level	Up to 10 users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

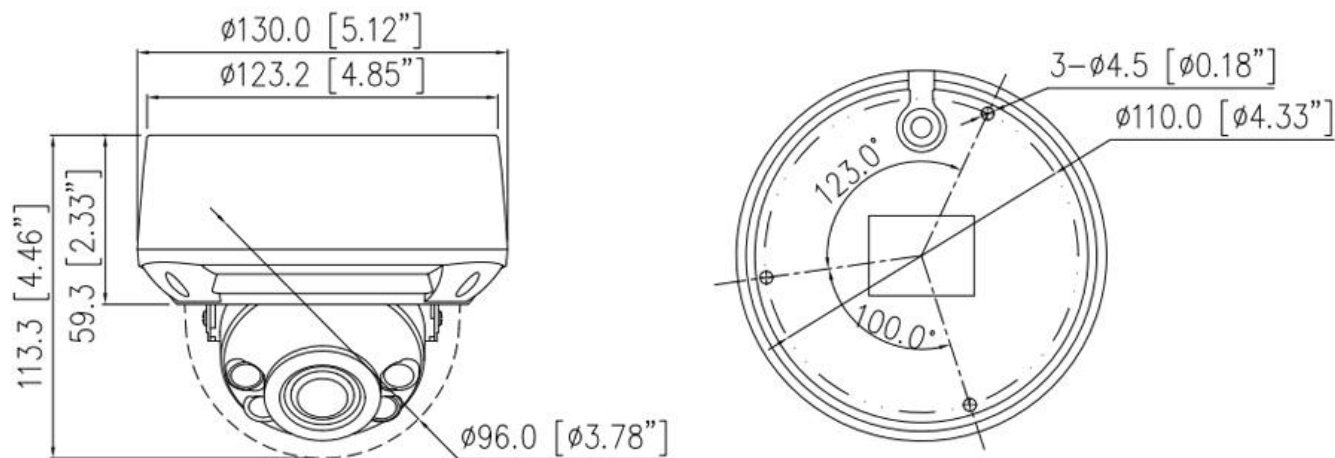
Interface

Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 1 TB
Reset Button	Support

General

Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	12 VDC (-10% to +25%)/PoE (802.3af)
Power Consumption	Max. 3.3 W (without IR), Max. 7.2 W (with IR)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66, IK10
Certifications	CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A12021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy body, bubble: plastic
Dimensions	φ130 × 113.3 mm (φ5.12 × 4.46 inch)
Net Weight	0.8 kg (1.76 lb)

Dimensions (mm)



Accessories



RSN-CBK657 Junction
Box



RSN-CBK201
Pendant Cap



RSN-CBK402
Pendant Mount



RSN-CBK901
Recessed Mount



RSN-CBK501
Wall Mount



RSN-CBK502
Wall Mount



RSN-CBK101
Pole Mount



RSN-CBK102
Corner Mount