

RDO8080EDAR-Z

8MP IR Cable Free Dome Network Camera



Key Features

- 1/2.8" SONY STARVIS II™ CMOS
- Max. 8MP(3840 × 2160) @25/30 fps resolution
- 2.7 to 13.5 mm motorized lens
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way detection, smart motion detection, and people counting
- Smart IR distance up to 40 m
- 1/1 audio input/output, 1/1 alarm input/output
- Built-in micro SD card slot
- Internal termination, IP66, IK10 protection

Technical Specification

Camera

Image Sensor	1/2.8" Progressive Scan SONY STARVIS II™ CMOS
Max. Resolution	8MP (3840 × 2160)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000 s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Wide Dynamic Range	True WDR 120DB
Angle Adjustment	Pan: 0° to 350°, Tilt: 0° to 80°, Rotation: 0° to 350°

Lens

Lens Type	Varifocal lens, Motorized focal
Iris	Fixed Iris
Focal Length	2.7 to 13.5 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 98.1° to 30.9°, V: 52.6° to 17.3°

DORI Distance

Lens	Detect	Observe	Recognize	Identify
Wide (2.7 mm)	88 m (288.7 ft)	35.2 m (115.5 ft)	17.6 m (57.7 ft)	8.8 m (28.9 ft)
Tele (13.5 mm)	280 m (918.6 ft)	112 m (367.5 ft)	56 m (183.7 ft)	28 m (91.9 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 40 m (131.2 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 @25/30 fps Stream2: D1, VGA, CIF @25/30 fps Stream3: VGA, CIF, QVGA @25/30 fps
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
Scene Setting	Indoor, Outdoor, Mirror, Corridor Mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Privacy Masking	4 areas

Event

Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Alarm Events	Alarm record, SMTP upload, FTP upload, Alarm output, Audible alarm output

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

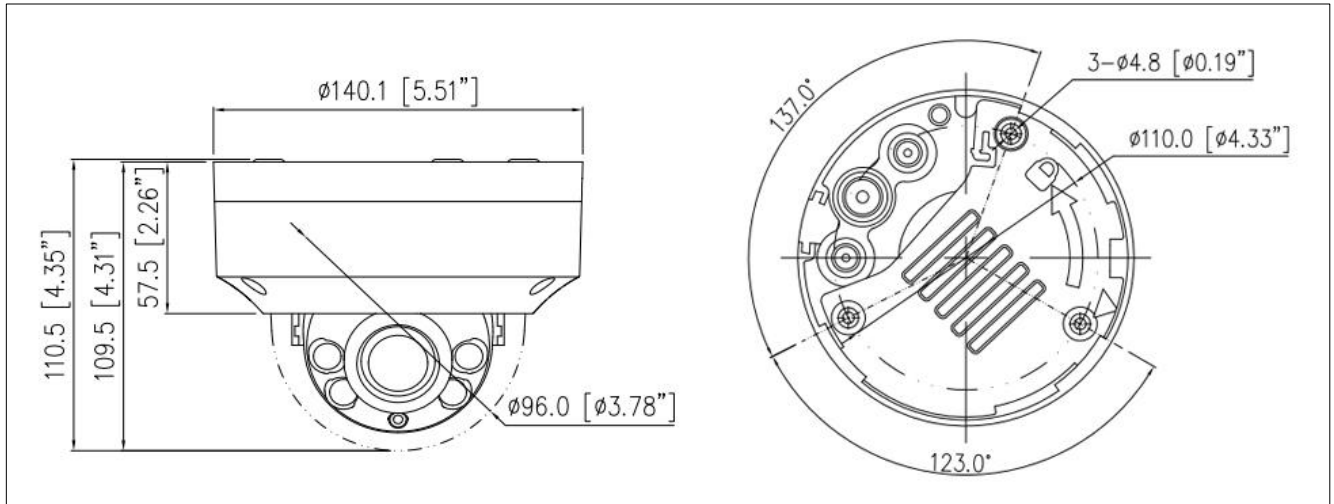
Interface

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 256GB
Reset Button	Support

General

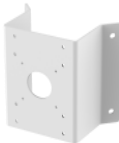
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	DC12V (-15% to +25%)/PoE (802.3af)
Power Consumption	Max 8.5 W
Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66, IK10
Certifications	CE-EMC (EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-6-3:2007+A1:2011+AC:2012, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy body, bubble: plastic
Dimensions	φ140.1 × 110.5 mm (φ5.51 × 4.35 inch)
Net Weight	0.73 kg (1.61 lb)

Dimensions (mm)



Accessories

Optional :

		
RSN-CBK206 Pendant Cap	RSN-CBK402 Pendant Mount	RSN-CBK501 Wall Mount
		
RSN-CBK502 Wall Mount	RSN-CBK101 Pole Mount	RSN-CBK102 Corner Mount