

RDF8088ECAR-B

12MP Panoramic Network Fisheye Camera



Key Features

- 1/1.7" 12MP SONY STARVIS II™ CMOS
- 25fps @ 12MP(4000×3000)
- Multi Dewarping modes and front end image correction
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting, smart motion detection and heat map
- DWDR, 3D DNR, ROI, Defog, HLC
- Built-in microphone
- Smart IR distance up to 15 m
- IP66



Technical Specification

Camera				
Image Sensor	1/1.7" Progressive Scan SONY STARVIS II™ CMOS			
Max. Resolution	4000(H) × 3000(V)			
Electronic Shutter	Auto/Manual, 1/5 to 1/50,000s			
Min. illumination	Color: 0.01 Lux @ (F2.4, AGC ON) , B/W: 0 Lux with IR			
Day & Night	IR cut filter			
Wide Dynamic Range	DWDR			
Lens				
Lens Type	Fixed-focal lens			
Iris	Fixed Iris			
Focal Length	1.8 mm			
Max. Aperture	F2.4			
Field of View (FOV)	180° × 180°			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
1.8mm	34.5 m (113.2 ft)	13.8 m (45.3 ft)	6.9 m (22.6 ft)	3.45 m (11.3 ft)
Illuminator				
Illuminator Type	IR LED			
Illumination Distance	Up to 15 m (49.2 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 detection, Illegal parking, and Smart motion detection (support the accurate detection of vehicle and human), Region entrance/Exit, Tamper detection, Missing object/left object
People Counting	Up to 4 detection areas
Heat Map	Support
Video and Audio	
Video Compression	Support H.265+/H.265/H.264+/H.264
Streaming Capability	2 Streams
Main Stream	One-Channel: 25fps - Fisheye View: 4000×3000, 3000×3000, 2560×2560, 1280×960 - 180° Panorama View: 3000×752, 2560×640, 1920×480, 1280×960 - 360° Panorama View: 4000×2000, 2560×1280, 1920×960, 1280×960 - 4PTZ View: 4000×3000, 2048×1536, 1920×1440, 1280×960 - Fisheye + 3PTZ View: 4000×3000, 2048×1536, 1920×1440, 1280×960 Multi-Channel: 1520×1520, 960×960, 720×720, 640×640, 1280×960 @25fps
Sub Stream	One-Channel: 25fps - Fisheye View: D1, 640×640, 480×480 - 180° Panorama View: 832×208, D1 - 360° Panorama View: 640×640, D1 - 4PTZ View: 640×480, D1, 320×240 - Fisheye + 3PTZ View: 640×480, D1, 320×240 Multi-Channel: 640×640, D1 @25fps
Bit Rate Control	CBR/VBR
Bit Rate	One-Channel: - Stream1: 200Kbps to 16Mbps - Stream2: 100Kbps to 6Mbps Multi-Channel: - Stream1: 100Kbps to 12Mbps - Stream2: 100Kbps to 6Mbps



Smart Encoder	Support
Region of Interest (ROI)	Support (Single-channel and fisheye mode)
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
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 120DB, HLC, BLC, Defog
Privacy Masking	Support (Single-channel and fisheye mode)
Fisheye Display	
Mount Type	Ceiling Mount, Wall Mount, Desktop Mount
Decoding Mode	On-board Dewarping/Client-side Dewarping
Display Mode	12 display modes in total Client-side Dewarping: - 180° panorama view, 360° panorama view, 360° panorama + PTZ, 360° panorama + 3PTZ, 360° panorama + 6PTZ, 360° panorama + 8PTZ, Fisheye view, Fisheye + 3PTZ, Fisheye + 8PTZ, 4PTZ, 2PTZ, Fisheye + 1PTZ + 360° On-board Dewarping: - Fisheye view, Double panorama view, 4PTZ, Single panorama view, Fisheye + 3PTZ

Event

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

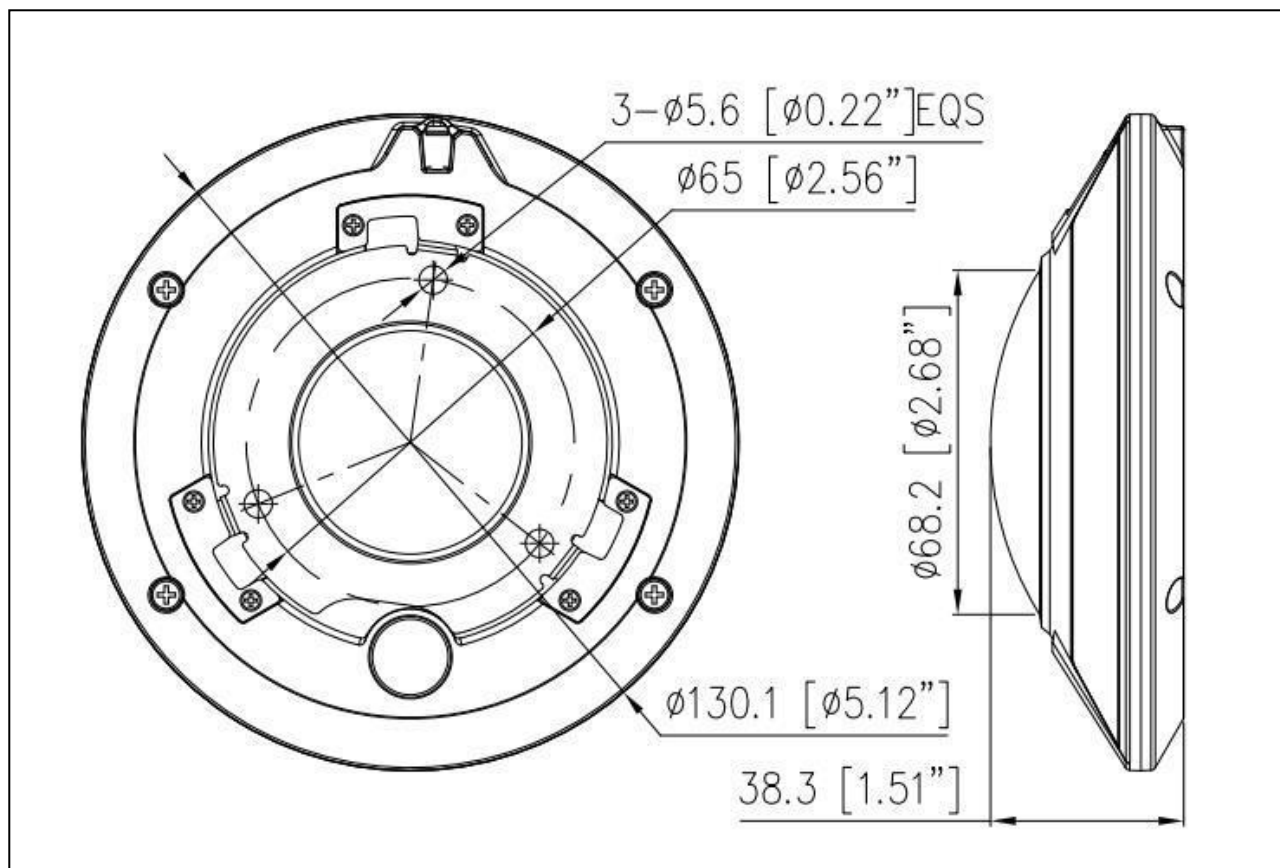
Interface

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

General

Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	DC12V (-15% to +20%)/PoE (IEEE 802.3af)
Power Consumption	Max 9 W
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC (EN 55032:2015+A1:2020, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy body, bubble: plastic
Dimensions	Φ130.1 × 38.3 mm (Φ5.12 × 1.51 inch)
Net Weight	0.5 kg (1.10 lb)

Dimensions (mm)



Accessories

Optional :

			
RSN-CBK645E Junction Box	RSN-CBK201A Pendant Cap	RSN-CBK402 Pendant Mount	RSN-CBK501 Wall Mount
			
RSN-CBK502 Wall Mount	SN-CBK101R Pole Mount	RSN-CBK102 Corner Mount	