AI Vandal-proof Mini Dome Network Camera Series

Features:

- ▶ 1/2.8" 2 MP ~ 4K progressive scan Sony STARVIS CMOS
- ▶ Lens: 2.8mm/4mm/6mm@F1.6- M12
- ▶ Primary Stream: 60fps@1080P / 30fps@4K
- ▶ Min. Illumination, Color: 0.002Lux@F1.2 B/W: 0Lux with IR on
- ▶ **AI Video Intelligent Analytics**
- ▶ SIP/Protocol: Voice & Video-over-IP
- ▶ Unicast, Multicast Protocol
- ▶ Starlight Technology
- ▶ Triple-stream Encoding
- ▶ Super WDR 140dB
- ▶ IR Distance: 50M
- ▶ Audio I/O 1/1, Alarm I/O 1/1 (Multi- Interface Version)
- ▶ Built-in Microphone, 3AXIS
- ▶ ONVIF Profile G & Q & S & T, API
- ▶ Support micro SD up to 256GB
- ▶ POE\ 12VDC, IP67, IK10, -40°C ~ + 60°C

AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

140dB Super WDR

Rhodium's sensor-based WDR technology allows the camera to record greater scene details with true color reproduction even under the extreme back light and high contrast conditions. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

Rhodium Super WDR OF

Rhodium Super WDR ON

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.
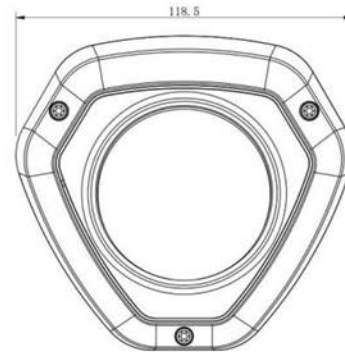

4K

1080P

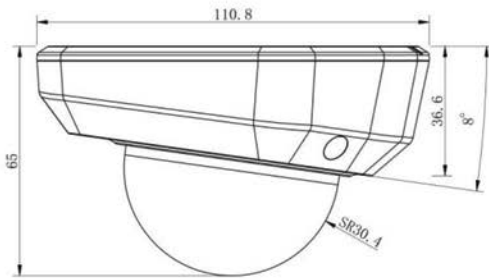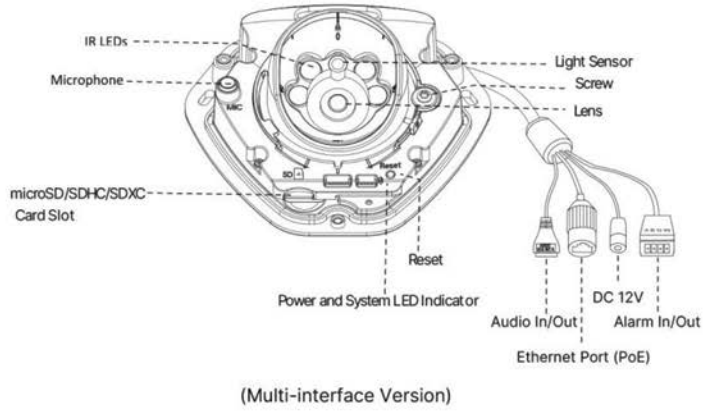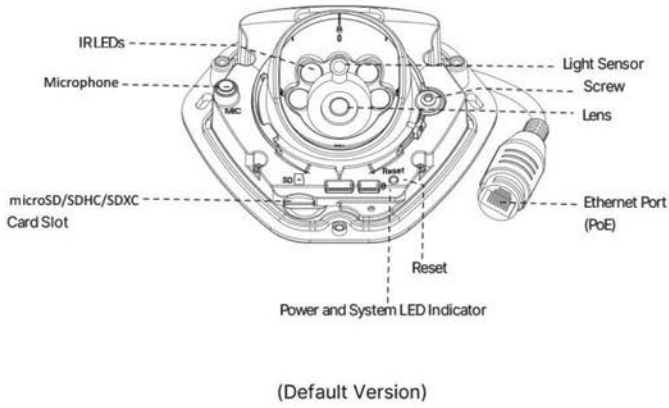## Reliable Anti-vibration Performance

Complying with the transportation-industry regulations of EN50155 standard, Rhodium Vandal-proof Mini Dome Network Camera is able to offer train specific rugged features to protect the system against environmental factors.

Anti-vibration

Model	RDO2973-RPC (2MP)	RDO5373-PC (5MP)	RDO8173-PC (4K)
Camera			
Image Sensor	1/2.8" Progressive Scan CMOS		
Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR	120dB Super WDR	
Lens	2.8mm/4mm/6mm@F1.6		
Mount	M12		
Field of View	H111°/D128°/V61°(2.8mm) H91°/D106°/V50°(4mm) H55°/D63°/V32°(6mm)	H105°/D131°/V78°(2.8mm) H86°/D108°/V63°(4mm) H52°/D63°/V40°(6mm)	H110°/D126°/V60°(2.8mm) H91°/D106°/V50°(4mm) H55°/D63°/V32°(6mm)
Shutter Time	1/100000s~1s		
IR Distance	Up to 50m		
Day/Night Mode	Day/Night/Auto/Customize/Schedule		
S/N	>55dB		
Video			
Max. Image Resolution	1920x1080	2592x1944	3840x2160
Primary Stream	60fps@(1920x1080, 1280x960, 1280x720, 704x576)	30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576)	30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
Secondary Stream	60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)		
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Privacy Masking	Up to 8 areas		
ROI	Up to 8 areas		
Image Setting	Brightness/Contrast/Saturation/Sharpness		
Interface			
Ethernet	1*RJ45 10M/100M Ethernet Port		
Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)		
Alarm I/O	1/1 (Multi-interface Version)		
Network			
Network Storage	NAS(Support NFS, SMB/CIFS), ANR		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio			
Audio Compression	G.711/AAC/G.722/G.726		
Audio Sampling Rate	8/16/32/44.1/48KHz		
Audio Bit Rate	16~256kbps		
Two-way Audio	Support		

Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
	Face Detection	Detect and capture faces, get real-time snapshots
	People Counting& Report	Count the number of people entering or exiting, Up to 4 detection areas for regional people counting
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark, MultiCast, UniCast
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)
	System Compatibility	ONVIF Profile G & Q & S & T, API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)
	Power Consumption	5W MAX / 6W MAX 6W MAX (With IR on) / 7W MAX (With IR on)
	Housing	Up to IP67-rated for Weather-resistant Performance; Vandal-proof IK10-rated Metal Housing
	EN50155	Support
	Weight	500g
	Dimensions	118.5mmX110.8mmX65mm
	Warranty	3/5 Years
Certifications:		CE, FCC, LVD, ISO9001, ISO14001 EN50155, EN55032:2015, EN55035:2017, EN61000-3-2:2014, EN61000-3-3:2013, EN62368-1:2014+A11:2017

Structure Diagrams

IRLEDs
Microphone
microSD/SDHC/SDXC Card Slot
Light Sensor
Screw
Lens
Ethernet Port (PoE)
Reset
Power and System LED Indicator

(Default Version)

IR LEDs
Microphone
microSD/SDHC/SDXC Card Slot
Light Sensor
Screw
Lens
Reset
Power and System LED Indicator
Audio In/Out
DC 12V
Alarm In/Out
Ethernet Port (PoE)

(Multi-interface Version)

110.8
36.6
8°
65
SR30.4

118.5

Units: mm

Accessories Support

RA01 Pole Mount

Weight: 720g
Dimensions: 170*51.5*152.6mm

RA03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.5*76.3mm

RA71 Wall Mount

Weight: 530g
Dimensions: 162*124*78 mm

RA73 Adapter Plate

Weight: 28g
Dimension: 115*122.5*10mm

RA74 Junction Box

Weight: 60g
Dimensions: 121.5*116.5*37.2