



**Rhodium**  
Professional Video Solution

**Diamond Series**

## AI 3X Mini Dome Network Camera Series

### Features:

- ▶ 1/2.8" 2MP ~ 5MP progressive scan Sony STARVIS CMOS
- ▶ Lens: Motorized 2.8~8.4mm
- ▶ Primary Stream: 60fps@1080P / 30fps@5MP
- ▶ 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: 35M
- ▶ 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.



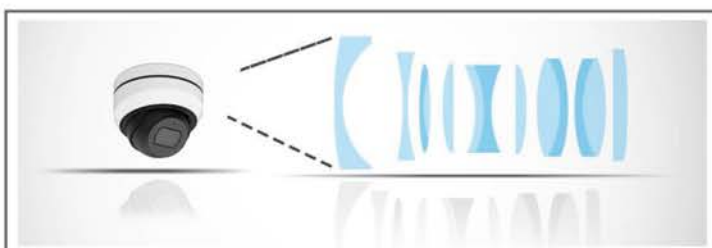
### 140dB Super WDR & 0.002Lux Ultra Low-light

Equipped with 140dB WDR technology, Rhodium cameras capture greater scene details with true colors even in extreme backlight or overexposure conditions. Meanwhile, Rhodium cameras are able to capture full-color images in extremely low-light conditions reaching 0.002Lux without extra light supplement.



### 3X Optical Zoom

The 3X optical zoom(2.8~8.4mm@F1.8~F2.7) can zoom up to distant subjects while still maintaining the clarity, delivering high quality video over the entire zoom range.



### IP67&IK10

Supporting IP67-rated weather proofing and IK10-rated vandal proof which are the leading level of the industry, the camera is well protected against adverse impact to ensure the performance.



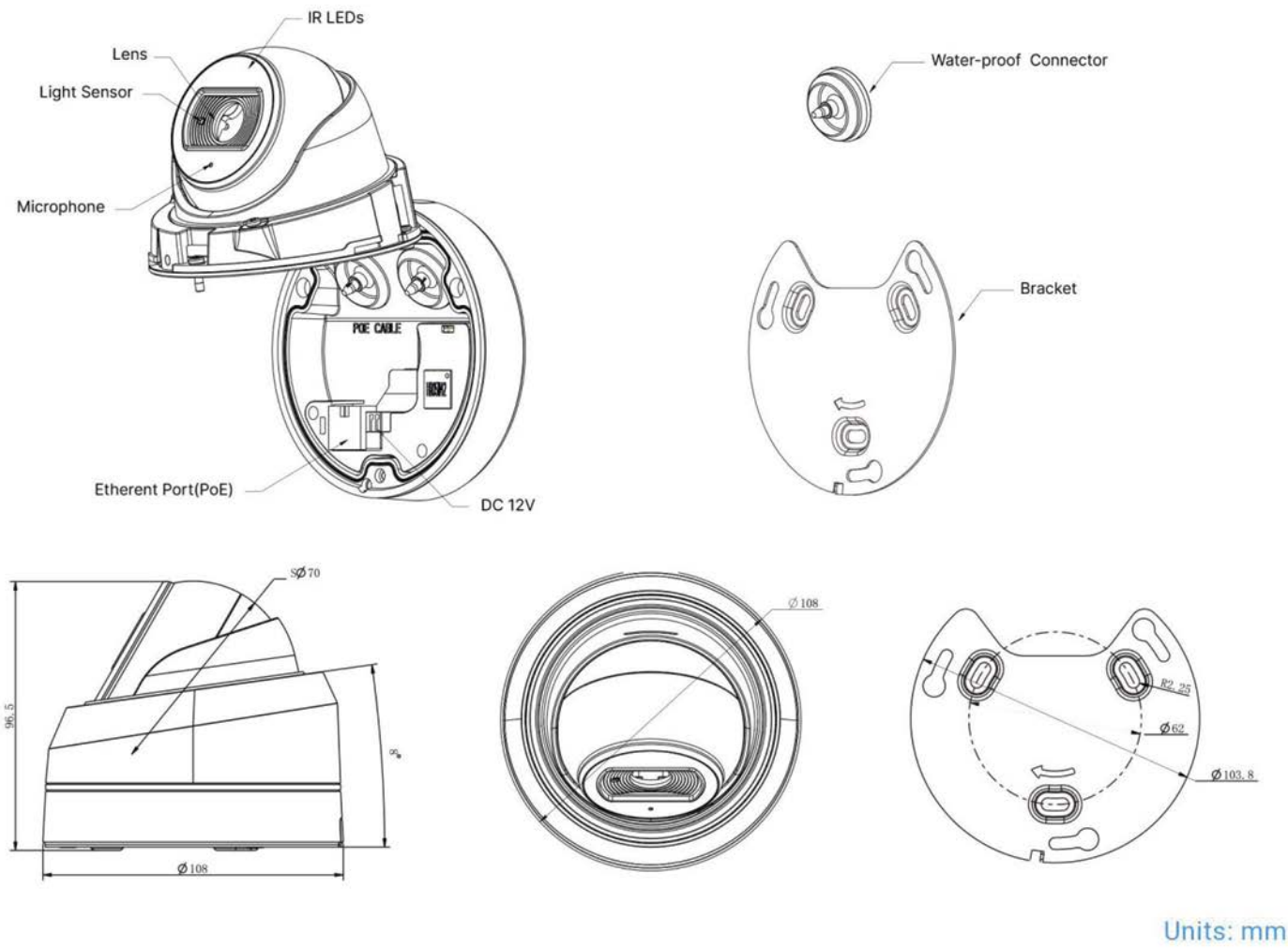
# AI AF Motorized Mini Dome Network Camera Series

	Model	RDO2975-REPC (2MP)	RDO5375-EPC (5MP)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.8 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.8 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 35m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	2.8~8.4mm, 3X Optical Zoom	
	Field of View	H111°~H48°/D130°~D55°/V60°~V27°	H101°~H42°/D129°~D53°/V74°~V31°
	Focus Control	Auto/Manual	
	Minimum Working Distance	200~500mm (Wide-Tele)	
	Aperture	F1.8~F2.7	
	Iris Control	Auto	
Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60fps@(1920x1080, 1280x960, 1280x720, 704x576)	30fps@(2592x1944), 45fps@(2048x1536), 60fps@(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 Interface	Built-in Microphone	
	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	8/16KHz
	Audio Bit Rate	16~256kbps	16~96kbps
	Two-way Audio	N/A	

# AI AF Motorized Mini Dome Network Camera Series

<b>Intelligent Analytics</b>	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
<b>System</b>	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.;
	Event Action	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)
	System Compatibility	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.;
<b>General</b>	Working Temperature	-40°C~60°C
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	6W MAX 8W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Weight	620g
	Dimensions	Φ108mmX96.5mm
	Warranty	3/5 Years
<b>Certifications:</b>		CE, FCC, LVD, ISO9001, ISO14001 EN55032:2015, EN55035:2017, EN61000-3-2:2014, EN61000-3-3:2013, EN62368-1:2014+A11:2017

Structure Diagrams



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

