NDAA

2MP/5MP/4K AI Motorized Mini Dome Network Camera Series - IR 50M

Features:

- ▶ 1/2.8" 2MP ~ 4K progressive scan "Sony STARVIS" CMOS
- ▶ Lens: Motorized 2.7~13.5mm\ **7~22mm**
- ▶ Primary Stream: 60fps@1080P \ 30fps@5MP\ 30fps@4K
- ▶ Min. Illumination, Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
- ▶ **AI Video Intelligent Analytics**
- ▶ SIP/Protocol: Voice & Video-over-IP
- ▶ Starlight Technology
- ▶ Triple-stream Encoding
- ▶ Super WDR 120dB
- ▶ IR Distance: **50M**
- ▶ Alarm I/O 1/1 (Multi- Interface Version)
- ▶ Built-in Microphone, 1/1 (Multi-interface Version)
- ▶ 3AXIS
- ▶ ONVIF Profile G & Q & S & T, API
- ▶ Support micro SD up to 256GB
- ▶ POE, 12VDC, IP67, IK10, -40C ~ + 60C

AI | H.265+ HEVC | Starlight | Super WDR | IR | 3-Axis
Mic | SDXC | GQST Onvif | POE | Weather-proof | Vandal-proof

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.

3 in 1 Super WDR Pro - 120 dB

Rhodium upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

0.005Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.002Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.
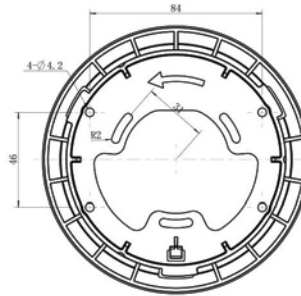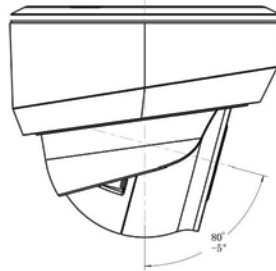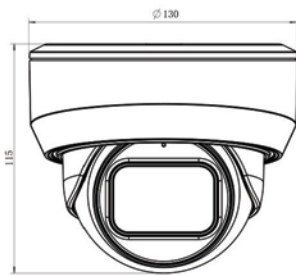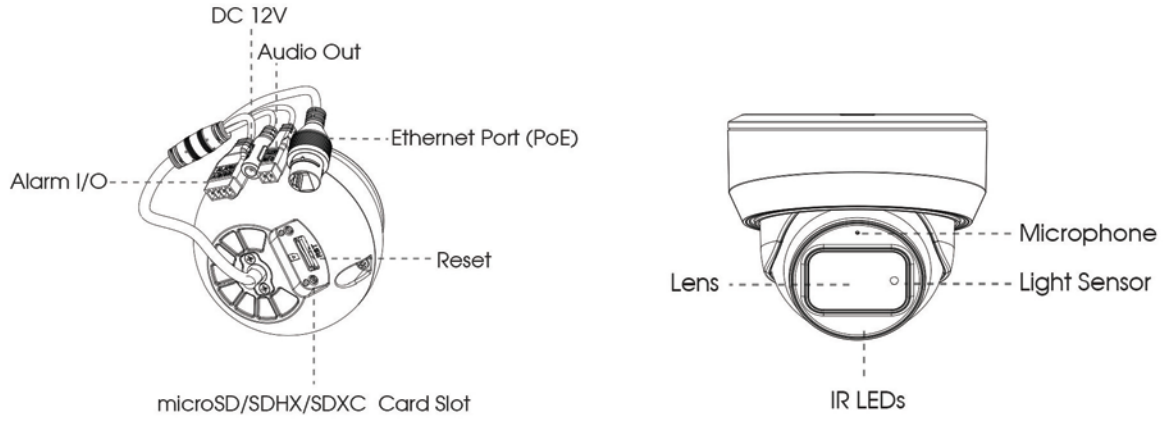
	Model	RDO2975-RFPD (2MP)	RDO5375-FPD (5MP)	RDO8175-SFPD (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR **(Super WDR Pro is optional for T Series)**	120dB Super WDR	
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	Day/Night Mode	Day/Night/Auto/Customize/Schedule		
	S/N	>55dB		
Lens	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)
	Field of View	H111°~H34°/D130°~D39°/ V60°~V19°(2.7~13.5mm) H100°~H33°/D115°~D38°/ V54°~V18°(3.0~10.5mm) H42°~H17°/D48°~D19°/ V24°~V9°(7~22mm)	H99°~H31°/D124°~D38°/ V72°~V23°(2.7~13.5mm) H89°~H31°/D111°~D38°/ V66°~V23°(3.0~10.5mm) H37°~H15°/D46°~D19°/ V28°~V11°(7~22mm)	H107°~H33°/D125°~D37° /V58°~V18°
	Mount	Φ14		
	Focus Control	Auto/Manual		
	Iris Control (Optional for I Series)	Auto/Manual		
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	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 24 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	Heat Map, 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, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
	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	5.2W MAX / 6.4W MAX (With IR on) — 5.5W MAX / 6.5W MAX (With IR on) — 7.4W MAX / 8.4W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance
	Weight	780g
	Dimensions	Φ130mmX115mm
	Warranty	3/5 Years
Certifications:		CE, FCC, LVD, ISO9001, ISO14001 EN55032:2015, EN55035:2017, EN61000-3-2:2014, EN61000-3-3:2013, EN62368-1:2014+A11:2017

Structure Diagrams

DC 12V
Audio Out
Alarm I/O
Ethernet Port (PoE)
Reset
microSD/SDHX/SDXC Card Slot

Microphone
Light Sensor
Lens
IR LEDs

Ø 130
115
84
4-Ø4.2
46
80°
-5°

Units: mm

Accessories Support

R A01 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