NDAA

2MP/5MP/4K AI IR Fix Lens Mini Dome Network Camera Series - IR 20M

Features:

▶ 1/2.8" 2MP ~ 4K progressive scan Sony STARVIS CMOS
▶ Lens: 2.8mm/4mm/6mm@F1.6- M12
▶ 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: 20M
▶ Built-in Microphone, 3AXIS
▶ ONVIF Profile G & Q & S & T, API
▶ Support micro SD up to 256GB
▶ POE, -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.

120dB 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.

Easy Installation & Adjustment

With a built-in RJ45 port, PoE functionality and 3-axis mechanical design, the installation steps of Milesight IR Mini Dome Camera are as easy as ABC.
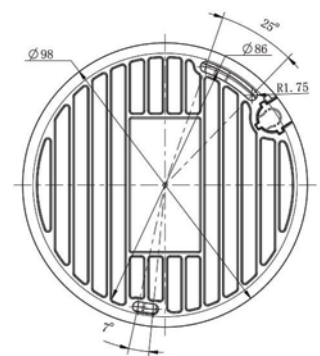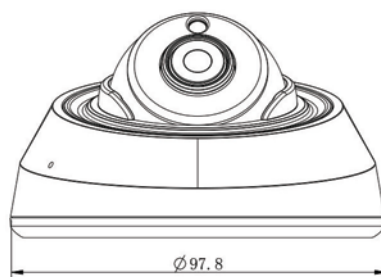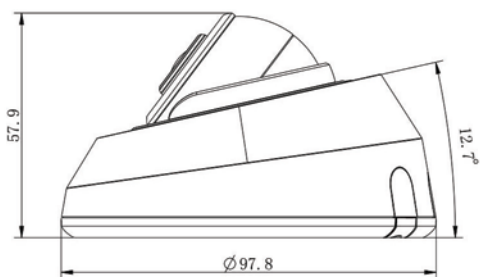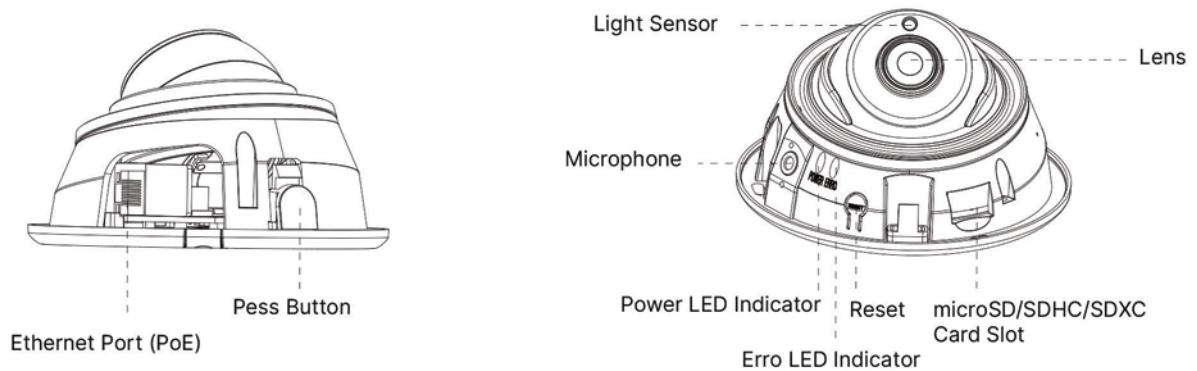

① Secure the screws
② Connect an Ethernet cable
③ Adjust the lens angle and focus
④ Attach the dome cover

	Model	RDO2983-(R)PD (2MP)	RDO5383-PD (5MP)	RDO8183-SPD (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
	WDR	120dB 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 20m		
	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	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	20fps@(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		
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	N/A		

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.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, 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)		
	Power Consumption	2.6 W MAX 4.6 W MAX (With IR on)	3.3W MAX 5W MAX (With IR on)	3.7 W MAX 5.4 W MAX (With IR on)
	Weight	200g		
	Dimensions	Φ97.8mmX57.9mm		
	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

Pess Button

Ethernet Port (PoE)

Light Sensor

Lens

Microphone

Power LED Indicator

Reset

microSD/SDHC/SDXC Card Slot

Erro LED Indicator

57.9

12.7°

Ø97.8

Ø97.8

Ø98

25°

Ø86

R1.75

1°

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

RA82 Recessed Mount

Weight: 475g
Dimension: Φ168.7*91.3mm