Milesight

NDAA ✓

AI Weather-proof Mini Dome Network Camera

IP67

IK10

DATASHEET

AI	H.265+ HEVC	Starlight	Super WDR	IR	3-Axis
SDXC	GST OnVIF	POE	Weather-proof	Vandal-proof	

KEY FEATURES

▶ NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)

▶ Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)

▶ Built-in Microphone (Supporting audio function to hear what is happening in front of the camera.)

▶ SIP (Session Initiation Protocol. Providing audio/alarm/intercom and video streaming for mobile phones and video phones.)

▶ 3-Axis Mechanical Design (Featuring 3-axis mechanical design for fast and easy adjustment of the camera's viewing angle.)

▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)
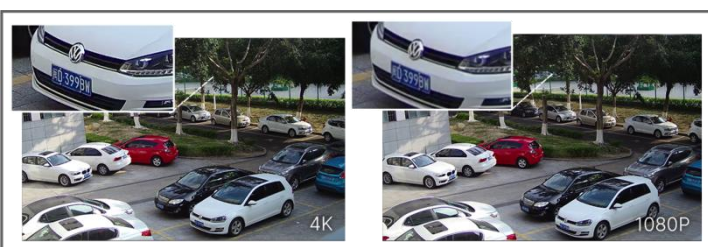
AI Video Analytics

The AI Camera Series can intelligently filter objects to focus on human and vehicle detection in multiple events such as Region Entrance, Region Exiting, Loitering, Advanced Motion Detection, etc.
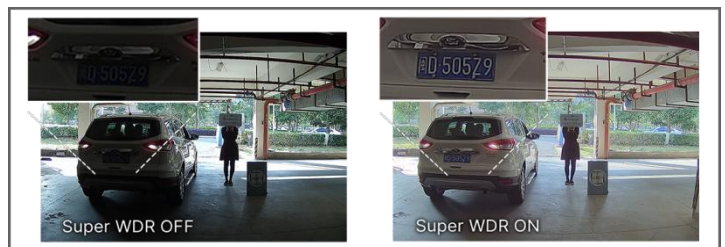

4K Video Viewing Experience

The camera performs well in catching detailed image with 4K HD resolution regardless of the moving speed.

120dB Super WDR

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 120dB.

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 Weather-proof Mini Dome Network Camera

Model	MS-C2975-(R)PD (2MP)	MS-C4575-PD (4MP)
Camera		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	
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)	H106°/D124°/V58°(2.8mm) H88°/D104°/V48°(4mm) H53°/D61°/V31°(6mm)
Shutter Time	1/100000s~1s	
IR Distance	Up to 25m	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	
Video		
Max. Image Resolution	1920x1080	2688x1520
Primary Stream	60Hz: **60fps@(1920x1080)(Optional for R Series)**, 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: **50fps@(1920x1080)(Optional for R Series)**, 25fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) 50Hz: 25fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)
Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288)	60Hz: 30fps@(1280x720, 704x576, 640x480) 50Hz: 25fps@(1280x720, 704x576, 640x480)
Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288)	60Hz: 30fps@(1280x720, 704x576, 640x480) 50Hz: 25fps@(1280x720, 704x576, 640x480)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Privacy Masking	Up to 4 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, TLS 1.2	
Audio		
Audio Compression	G.711/AAC/G.722/G.726	
Audio Sampling Rate	8/16/32/48KHz	
Audio Bit Rate	16~256kbps	
Two-way Audio	N/A	

AI Weather-proof Mini Dome Network Camera

Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	People Counting &Report	Count the number of people entering or exiting	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR,Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
	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 & S & T, API	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3af)	
	Power Consumption	3W MAX 5.1W MAX (With IR on)	3.8W MAX 5.8W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
	Weight	600g (Junction Box Version) / 410g (Cable Out Version)	
	Dimensions	Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)	
	Warranty	3/5 Years	

AI Weather-proof Mini Dome Network Camera

	Model	MS-C5375-PD (5MP)	MS-C8175-(S)PD (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	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	
	Lens	2.8mm/4mm/6mm@F1.6	
	Mount	M12	
	Field of View	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 25m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Video	Max. Image Resolution	2592x1944	3840x2160
	Primary Stream	60Hz: 30fps@(2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	60Hz/50Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576), 20fps@(3840x2160)(Optional for S Series)
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288)	
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 4 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, TLS 1.2	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio Sampling Rate	8/16/32/48KHz	
	Audio Bit Rate	16~256kbps	
	Two-way Audio	N/A	

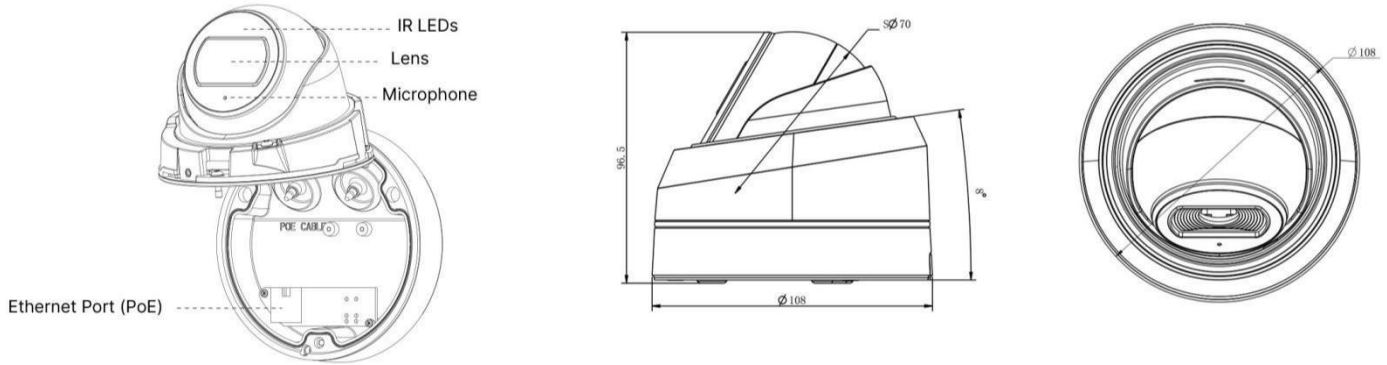# AI Weather-proof Mini Dome Network Camera

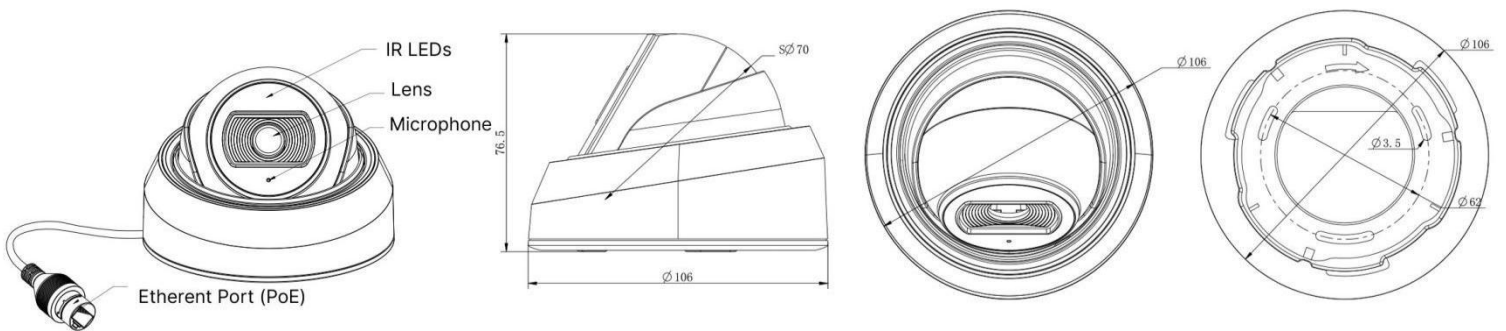| Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	People Counting &Report	Count the number of people entering or exiting	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR,Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
	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 & S & T, API	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3af)	
	Power Consumption	3.8W MAX 5.8W MAX (With IR on)	4.6W MAX 6.6W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
	Weight	600g (Junction Box Version) / 410g (Cable Out Version)	
	Dimensions	Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)	
	Warranty	3/5 Years	

AI Weather-proof Mini Dome Network Camera

Structure Diagrams

Junction Box Version

IR LEDs
Lens
Microphone

Ethernet Port (PoE)

SØ70

96.5

Ø108

Ø108

Cable Out Version

IR LEDs
Lens
Microphone

Etherent Port (PoE)

SØ70

76.5

Ø106

Ø106

Ø106

Ø3.5

Ø62

Units: mm

Accessories Support

A01 Pole Mount

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

A03 External Corner Bracket

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

A71 Wall Mount

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

A81 Recessed Mount

Weight: 450g
Dimensions: 168.9*168.9*91.3mm

A83 Junction Box

Weight: 270g
Dimensions: φ122*45.5mm