

Milesight

NDA A

AI Vandal-proof Mini Dome Network Camera

IP67

IK10



DATASHEET

KEY FEATURES

- ▶ NDA A Compliance (The fully NDA A-compliant products are well suited for government, defense and a range of projects subject to the NDA A.)
- ▶ 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.)
- ▶ 1TB (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 1TB.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)

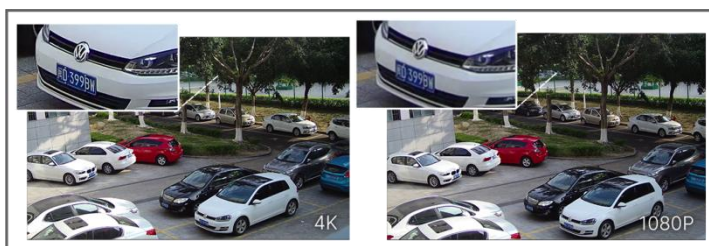
AI Video Analytics

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.



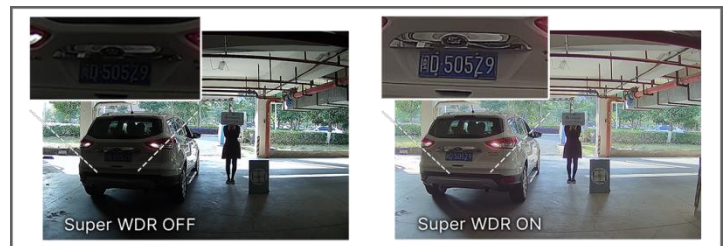
4K Video Viewing Experience

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



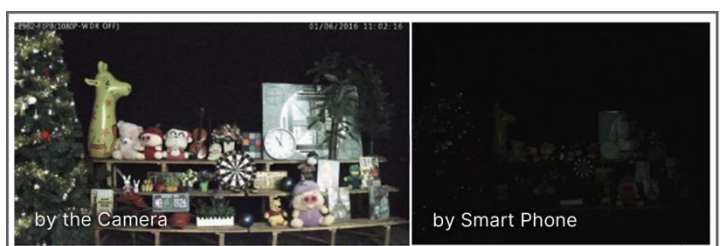
120dB Super WDR

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.



0.005Lux Starlight

Allows the network cameras to provide reliable and high quality images, even in the low light illumination.



AI Vandal-proof Mini Dome Network Camera



	Model	MS-C2973-(R)PD (2MP)	MS-C4573-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 30m	
	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 I/O	Built-in Microphone; 1/1 (Multi-interface Version)	
	Alarm I/O	1/1 (Multi-interface Version)	

AI Vandal-proof Mini Dome Network Camera



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	Support	
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.;; 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 & 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	3W MAX 4.7W MAX (With IR on)	4W MAX 6W MAX (With IR on)
	Housing	Up to IP67-rated for Weather-resistant Performance / Vandal-proof IK10-rated Metal Housing	
	Weight	500g	
	Dimensions	118.5mmX110.8mmX65mm	
	Warranty	3/5 Years	

AI Vandal-proof Mini Dome Network Camera



	Model	MS-C5373-PD (5MP)	MS-C8173-(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 30m	
	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)	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 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, TLS 1.2	

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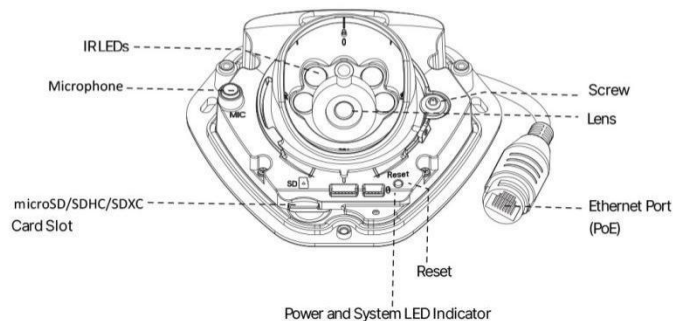


Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio Sampling Rate	8/16/32/48KHz	
	Audio Bit Rate	16~256kbps	
	Two-way Audio	Support	
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	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); PoE (802.3af) / DC 12V ± 10% (Multi-interface Version)	
	Power Consumption	4W MAX 6W MAX (With IR on)	4.4W MAX 6.1W MAX (With IR on)
	Housing	Up to IP67-rated for Weather-resistant Performance / Vandal-proof IK10-rated Metal Housing	
	Weight	500g	
	Dimensions	118.5mmX110.8mmX65mm	
	Warranty	3/5 Years	

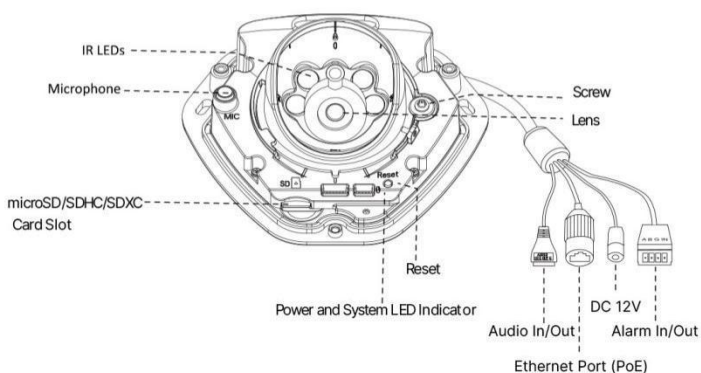
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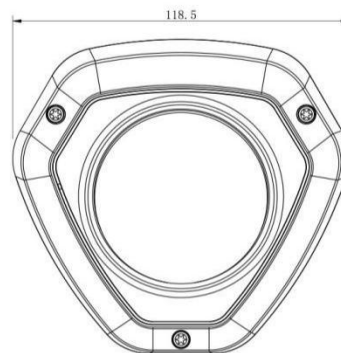
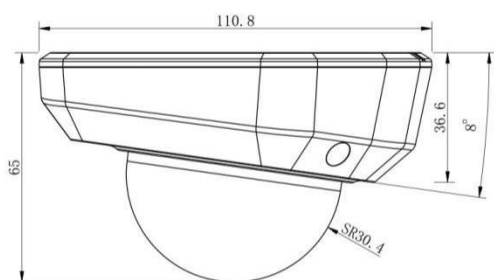
Structure Diagrams



(Default Version)



(Multi-interface Version)



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



A73 Adapter Plate

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



A74 Junction Box

Weight: 60g
Dimensions: 121.5*116.5*37.2



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