

# AI Weather-proof Mini Dome Network Camera



IP67

IK10



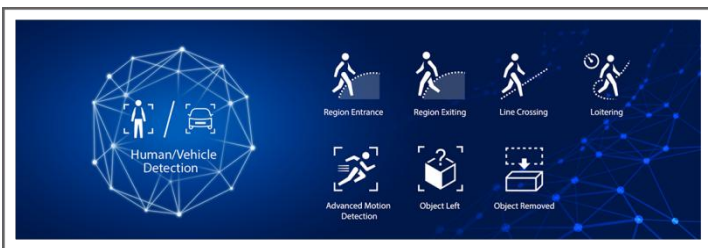
**DATASHEET**

## 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.)

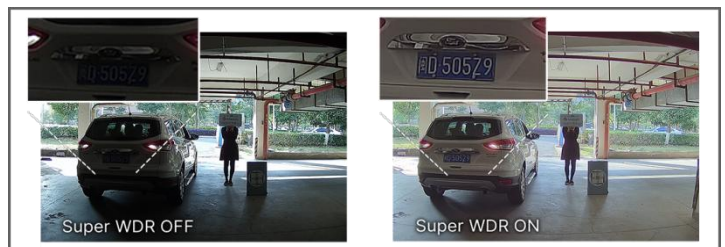
## AI Video Analytics

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.



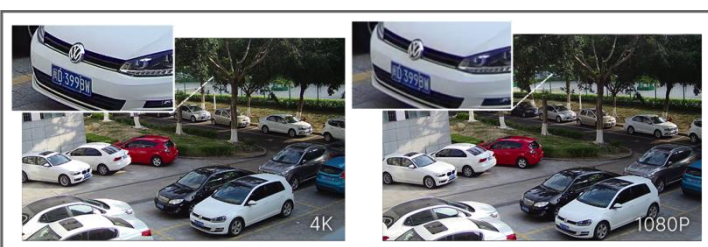
## 120dB Super WDR

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.



## 4K Video Viewing Experience

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



## 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)
<b>Camera</b>	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@F1.6	
	Mount	M12	
	Field of View	H111°/D128°/V61°(2.8mm) H91°/D106°/V50°(4mm)	H106°/D124°/V58°(2.8mm) H88°/D104°/V48°(4mm)
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 25m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
<b>Video</b>	Max. Image Resolution	1920x1080	2688x1520
	Primary Stream	60Hz: <b>60fps@(1920x1080)(Optional for R Series)</b> , 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: <b>50fps@(1920x1080)(Optional for R Series)</b> , 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)	
<b>Image</b>	Privacy Masking	Up to 4 areas	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
<b>Interface</b>	Ethernet	1*RJ45 10M/100M Ethernet Port	
<b>Network</b>	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	

# AI Weather-proof Mini Dome Network Camera



<b>Audio</b>	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling Rate	8/16/32/48KHz
	Built-in Microphone	Support
<b>Intelligent Analytics</b>	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	People Counting & Report	Count the number of people entering or exiting
<b>Basic Event</b>	Event Trigger	Motion Detection, Tamper Detection, Audio Alarm
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card
	Event Action	FTP Upload Record, SMTP Upload Record, SD Card Record, Snapshot, SIP Phone, HTTP Notification
<b>System</b>	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	System Compatibility	ONVIF Profile G & S & T & M, API
<b>General</b>	Working Temperature	-40°C~60°C
	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	Approx. 600g (Junction Box Version) / Approx. 410g (Cable Out Version)
	Dimensions	Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)
	Warranty	3 Years / 5 Years (Optional)

# AI Weather-proof Mini Dome Network Camera



	Model	MS-C5375-PD (5MP)	MS-C8175-PD (4K)
<b>Camera</b>	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@F1.6	
	Mount	M12	
	Field of View	H105°/D131°/V78°(2.8mm) H86°/D108°/V63°(4mm)	H110°/D126°/V60°(2.8mm) H91°/D106°/V50°(4mm)
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 25m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
<b>Video</b>	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)
	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)	
<b>Image</b>	Privacy Masking	Up to 4 areas	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
<b>Interface</b>	Ethernet	1*RJ45 10M/100M Ethernet Port	
<b>Network</b>	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	
<b>Audio</b>	Audio Compression	G.711/AAC/G.722/G.726	
	Audio Sampling Rate	8/16/32/48KHz	
	Audio Bit Rate	16~256kbps	
	Build-in Microphone	Support	

# AI Weather-proof Mini Dome Network Camera

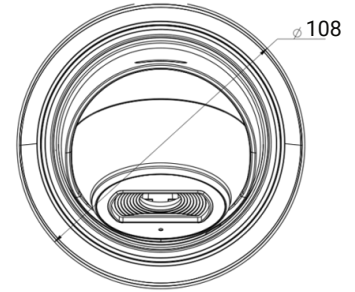
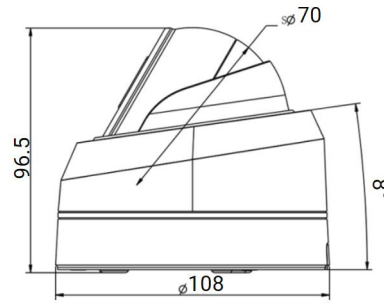
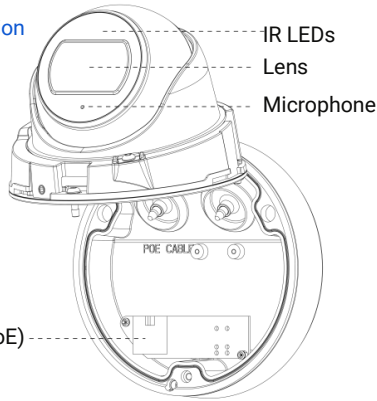


<b>Intelligent Analytics</b>	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed	
	People Counting & Report	Count the number of people entering or exiting	
<b>Basic Event</b>	Event Trigger	Motion Detection, Tamper Detection, Audio Alarm	
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card	
	Event Action	FTP Upload Record, SMTP Upload Record, SD Card Record, Snapshot, SIP Phone, HTTP Notification	
<b>System</b>	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	System Compatibility	ONVIF Profile G & S & T & M, API	
<b>General</b>	Working Temperature	-40°C~60°C	
	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	Approx. 600g (Junction Box Version) / Approx. 410g (Cable Out Version)	
	Dimensions	Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)	
	Warranty	3 Years / 5 Years (Optional)	

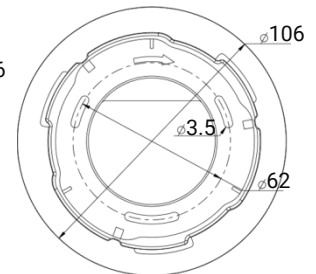
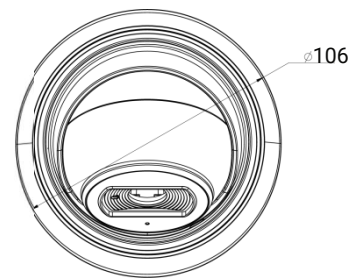
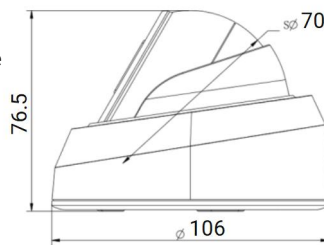
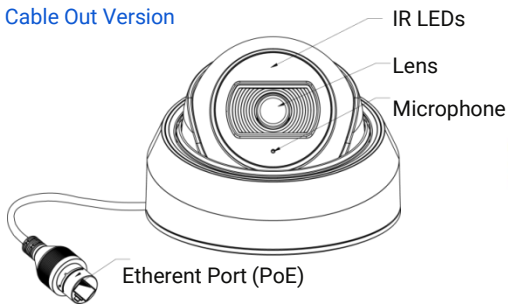


## Structure Diagrams

Junction Box Version



Cable Out Version



Units: mm

## Accessories Support

