# 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.)
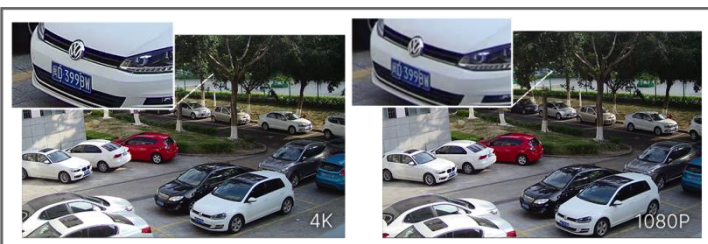
### AI Video Analytics

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.
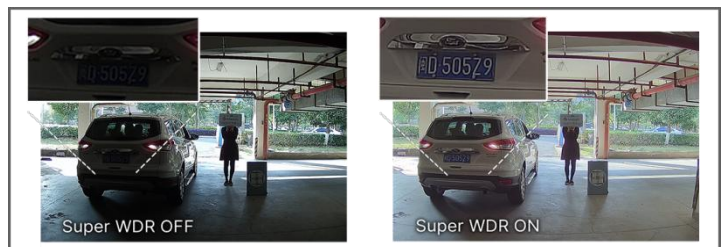


### 120dB Super WDR

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.

| | Model | MS-C2975-(R)PD<br>(2MP) | MS-C4575-PD<br>(4MP) |
|---|---|---|---|
| **Camera** | Image Sensor | 1/2.8" Progressive Scan CMOS | |
| | Min. Illumination | Color: 0.005Lux@F1.6<br>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)<br>H91°/D106°/V50°(4mm)<br>H55°/D63°/V32°(6mm) | H106°/D124°/V58°(2.8mm)<br>H88°/D104°/V48°(4mm)<br>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)**,<br>30fps@(1920x1080, 1280x960, 1280x720, 704x576)<br>50Hz: **50fps@(1920x1080)(Optional for R Series)**,<br>25fps@(1920x1080, 1280x960, 1280x720, 704x576) | 60Hz: 30fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)<br>50Hz: 25fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) |
| | Secondary Stream | 60Hz: 30fps@(704x576, 640x480, 640x360, 352x288)<br>50Hz: 25fps@(704x576, 640x480, 640x360, 352x288) | 60Hz: 30fps@(1280x720, 704x576, 640x480)<br>50Hz: 25fps@(1280x720, 704x576, 640x480) |
| | Tertiary Stream | 60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288)<br>50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288) | 60Hz: 30fps@(1280x720, 704x576, 640x480)<br>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 | |

| Intelligent Analytics | Video Analysis | Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed | |
|---|---|---|---|
| **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<br>5.1W MAX (With IR on) | 3.8W MAX<br>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

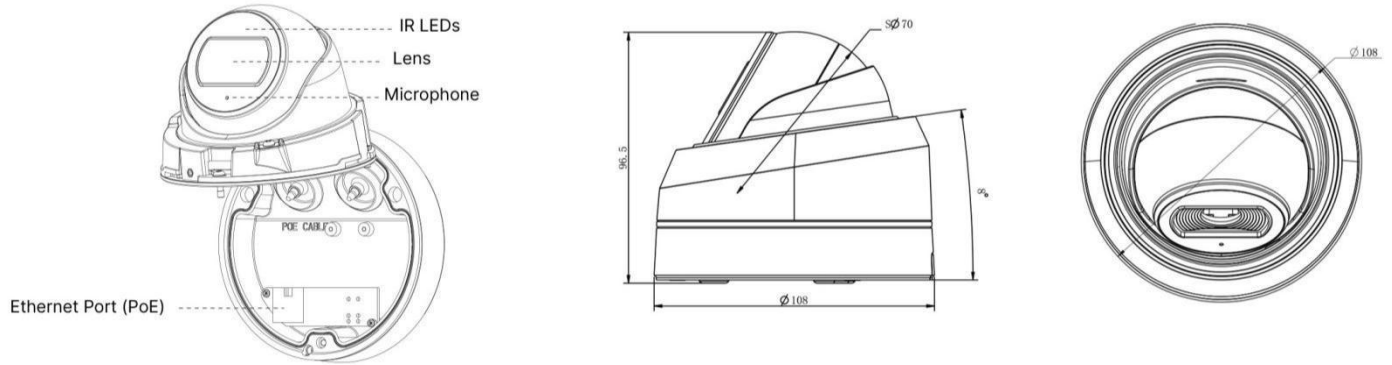| | Model | MS-C5375-PD (5MP) | MS-C8175-(S)PD (4K) |
|---|---|---|---|
| **Camera** | Image Sensor | 1/2.8" Progressive Scan CMOS | |
| | Min. Illumination | Color: 0.008Lux@F1.6<br>B/W: 0Lux with IR on | Color: 0.012Lux@F1.6<br>B/W: 0Lux with IR on |
| | WDR | 120dB Super WDR | |
| | Lens | 2.8mm/4mm/6mm@F1.6 | |
| | Mount | M12 | |
| | Field of View | H105°/D131°/V78°(2.8mm)<br>H86°/D108°/V63°(4mm)<br>H52°/D63°/V40°(6mm) | H110°/D126°/V60°(2.8mm)<br>H91°/D106°/V50°(4mm)<br>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)<br>50Hz: 25fps@(2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) | 60Hz/50Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576),<br>20fps@(3840x2160)(Optional for S Series) |
| | Secondary Stream | 60Hz: 30fps@(704x576, 640x480, 640x360, 352x288)<br>50Hz: 25fps@(704x576, 640x480, 640x360, 352x288) | |
| | Tertiary Stream | 60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288)<br>50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288) | |
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| **General** | Working Temperature | -40℃~60℃ | |
| | Working Humidity | 0~90%(Non-condensing) | |
| | Power Supply | PoE (802.3af) | |
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| | Housing | Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance | |
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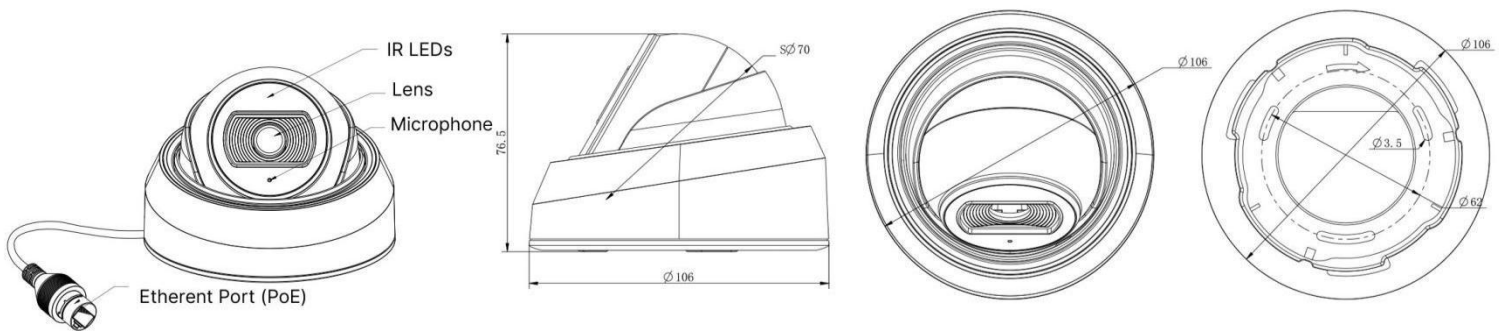# AI Weather-proof Mini Dome Network Camera

## Structure Diagrams

### Junction Box Version

IR LEDs
Lens
Microphone

POE CABLE

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