

Milesight

AI 180° Panoramic Mini Dome Network Camera

NDA A ✓

IP67

IK10



DATASHEET

KEY FEATURES

- ▶ NDA A Compliance (Milesight Fully NDA A-compliant products are well suited for government, defense and a range of projects subject to the NDA A.)
- ▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- ▶ Advanced Functions (Boasting to support various advanced functions such as HLC, ROI.)
- ▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)
- ▶ Integrated Junction Box (Ensuring the hassle-free installation and reliable operation with neat cable management.)
- ▶ Built-in Microphone (Using advanced codecs to provide clearer voice and robust performance.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, e.g. H.265+ saves 70%~80% bandwidth that of H.264.)

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.



4K Video Viewing Experience

Milesight 4K H.265 Network Camera delivers up to 4K resolution (3840*2160, effectively four times that of Full HD) at 15 frames per second (fps), providing users with ultra-high-definition video viewing experience.



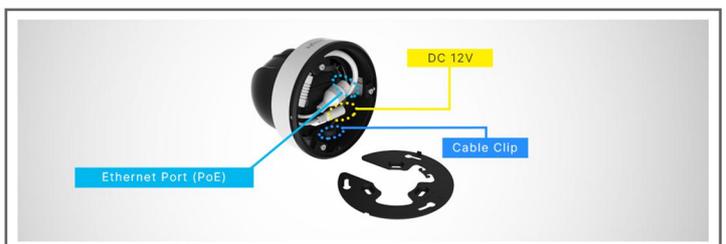
180° Panoramic View

The camera is perfect for whole picture viewing experience. It catches 180° horizontal coverage and 95° vertical coverage, achieving 180° panoramic viewing with only single sensor, which is a revolutionary creation in the dome model.



Integrated Junction Box

Coming with the integrated junction box, Milesight Network Camera not only brings a simplified installation with better aesthetics and professional look of the video surveillance system, but also provides higher operation stability.



AI 180° Panoramic Mini Dome Network Camera



| | Model | MS-C5376-PA (5MP) | MS-C8176-PA (4K) |
|------------------|-----------------------|--|--|
| Camera | Image Sensor | 1/2.8" Progressive Scan CMOS | |
| | Min. Illumination | Color: 0.005Lux@F1.2 Color: 0.008Lux@F2.0 B/W: 0Lux with IR on | Color: 0.01Lux@F1.2 Color: 0.012Lux@F2.0 B/W: 0Lux with IR on |
| | WDR | 120dB Super WDR | |
| | Lens | 1.68mm@F2.0 | |
| | Mount | M12 | |
| | Field of View | H180°/V95° | H180°/V86° |
| | Shutter Time | 1/100000s~1s | |
| | IR Distance | Up to 15m | |
| | Day/Night Mode | Day/Night/Auto/Customize/Schedule | |
| | S/N | >55dB | |
| Video | Max. Image Resolution | 2592x1944 (Original) | 3840x2160 |
| | Primary Stream | 60Hz: 30fps@(2592x1944)(Original), 30fps@(2560x1440, 1920x1080, 1280x720) 50Hz: 25fps@(2592x1944)(Original), 25fps@(2560x1440, 1920x1080, 1280x720) | 60Hz: 25fps@(3840x2160), 30fps@(3456x1936, 3200x1800, 2880x1624, 2560x1440, 1920x1080, 1280x720) 50Hz: 25fps@(3840x2160, 3456x1936, 3200x1800, 2880x1624, 2560x1440, 1920x1080, 1280x720) |
| | Secondary Stream | 60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192) | |
| | Tertiary Stream | 60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360,352x288, 320x240, 320x192) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360,352x288, 320x240, 320x192) | |
| | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264/MJPEG | |
| | Video Bit Rate | 16Kbps~16Mbps(CBR/VBR Adjustable) | |
| | Privacy Masking | Up to 24 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 | |

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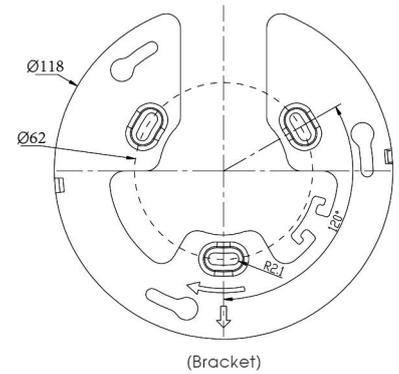
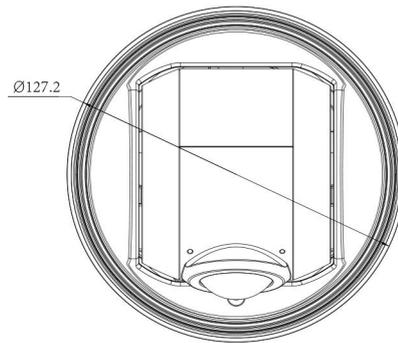
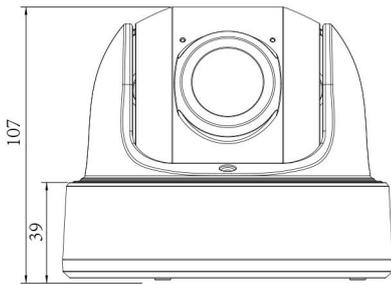
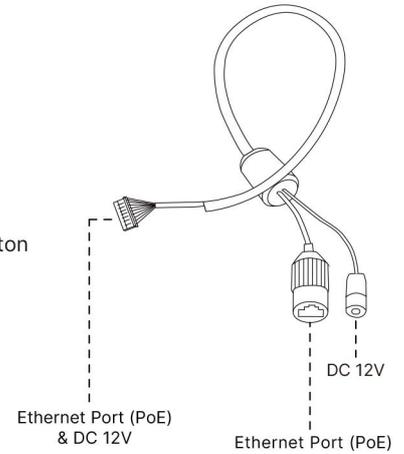
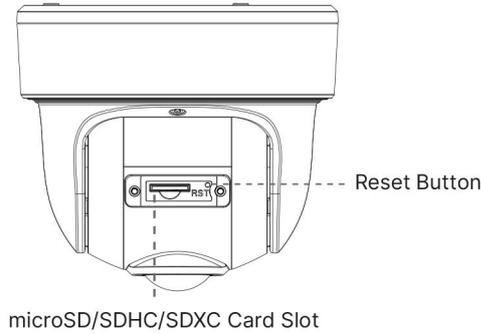
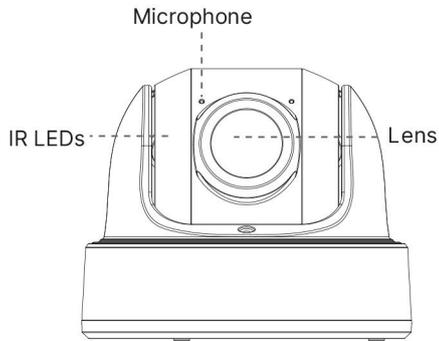


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|------------------------------|-------------------------|---|--------|--------|---------------------|---------------------|
| Intelligent Analytics | Video Analysis | Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed | | | | |
| | People Counting& Report | Count the number of people entering or exiting, up to 4 detection areas for regional people counting | | | | |
| System | Storage | Support microSD/SDHC/SDXC Card Local Storage, up to 256G | | | | |
| | Advanced Function | Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark | | | | |
| | 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°C~60°C | | | | |
| | Working Humidity | 0~90%(Non-condensing) | | | | |
| | Power Supply | PoE (802.3af) / DC 12V ± 10% | | | | |
| | Power Consumption | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">5W MAX</td> <td style="width: 50%; text-align: center;">6W MAX</td> </tr> <tr> <td style="text-align: center;">8W MAX (With IR on)</td> <td style="text-align: center;">9W MAX (With IR on)</td> </tr> </table> | 5W MAX | 6W MAX | 8W MAX (With IR on) | 9W MAX (With IR on) |
| | 5W MAX | 6W MAX | | | | |
| | 8W MAX (With IR on) | 9W MAX (With IR on) | | | | |
| | Weather Proof | Up to IP67-rated for Weather-resistant Performance | | | | |
| | Housing | Vandal-proof IK10-rated Metal Housing | | | | |
| | Weight | 853g | | | | |
| Dimensions | Φ127mmX107mm | | | | | |
| Warranty | 3/5 Years | | | | | |

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Structure Diagrams



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



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