# Milesight

# H.265⁺ Vandal-proof Mini Dome Network Camera

**H.265⁺ HEVC** | **Starlight** | **Super WDR** | **IR** | **Weather Proof** | **Vandal-proof**

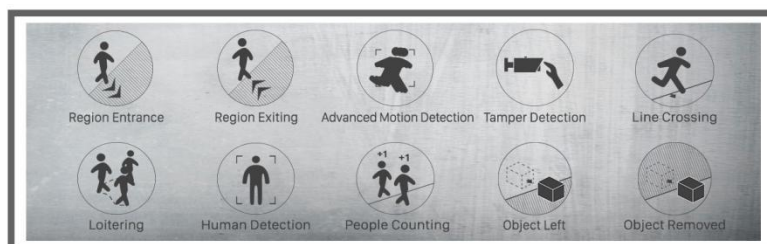**Mic** | **SDXC** | **POE** | **Profile SGT Onvif** | **VCA** | **EN-50155**

**IP67**

**IK10**

## KEY FEATURES

▶ **Smart Stream** (Bandwidth, storage and bit rate save with Smart Stream ON, eg, H.265⁺ save 70%~80% bandwidth of H.264.)

▶ **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.)

▶ **256G** (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)

## Video Content Analysis

Milesight VCA with 10 detection modes provides advanced, accurate smart video analysis for Milesight network cameras, enabling the comprehensive surveillance function and quicker response to different monitoring scenes.



Region Entrance | Region Exiting | Advanced Motion Detection | Tamper Detection | Line Crossing | Loitering | Human Detection | People Counting | Object Left | Object Removed



by Milesight Camera / by Smart Phone

## 0.002Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.002Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.

## 140dB Super WDR

Milesight's 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 140dB.



Milesight Super WDR OFF | Milesight Super WDR ON



Anti-vibration

## Reliable Anti-vibration Performance

Complying with the transportation-industry regulations of EN50155 standard, Milesight Vandal-proof Mini Dome Network Camera is able to offer train specific rugged features to protect the system against environmental factors.

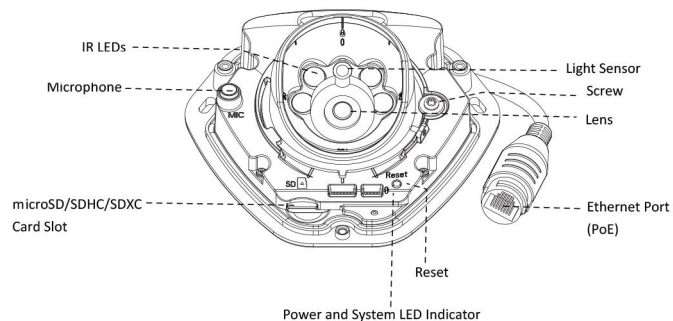# H.265$^+$ Vandal-proof Mini Dome Network Camera

| | Model | MS-C2973-(R)PB (2MP) | MS-C5373-(H)PB (5MP) | MS-C8173-PB (4K) |
|---|---|---|---|---|
| **Camera** | Image Sensor | 1/2.8" Progressive Scan CMOS | | |
| | Min. Illumination | Color: 0.002Lux@F1.2 B/W: 0Lux with IR on | Color: 0.005Lux@F1.2 B/W: 0Lux with IR on | Color: 0.01Lux@F1.2 B/W: 0Lux with IR on |
| | WDR | 140dB Super WDR | 120dB Super WDR | |
| | Lens | 2.8mm @F2.0 / 3.2mm @F2.2 / 3.6mm @F2.2 | | 2.8mm @F2.0 / 3.6mm @F2.2 |
| | Mount | M12 | | |
| | Field of View | H123°/D142°/V68°(2.8mm) H105°/D123°/V58°(3.2mm) H94°/D111°/V50°(3.6mm) | H111°/D141°/V82°(2.8mm) H96°/D123°/V71°(3.2mm) H80°/D102°/V59°(3.6mm) | H124°/D140°/V69°(2.8mm) H89°/D103°/V49°(3.6mm) |
| | Shutter Time | 1/100000s~1s | | |
| | IR Distance | Up to 30m | | |
| | Day&Night | ICR Filter Auto Switch | | |
| | S/N | >55dB | | |
| **Video** | Max. Image Resolution | 1920x1080 | 2592x1944 | 3840x2160 |
| | Primary Stream | **60fps@(1920x1080) (Optional for R Series),** 30fps@(1920x1080, 1280x960, 1280x720, 704x576) | **30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080) (Optional for H Series),** 20fps@(2592x1944), 30fps@(2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) | 15fps@(3840x2160), 30fps@(3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) |
| | Secondary Stream | 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) | | |
| | Tertiary Stream | 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) | | |
| | Video Compression | H.265$^+$/H.265(HEVC)/H.264$^+$/H.264/MJPEG | | |
| | Video Bit Rate | 16Kbps~16Mbps(CBR/VBR Adjustable) | | |
| | Image Setting | Brightness/Contrast/Saturation/Sharpness | | |
| **Network** | Ethernet | 1*RJ45 10M/100M Ethernet Port | | |
| | Network Storage | NAS(Support NFS, SMB/CIFS) | | |
| | Protocol | IPv4/IPv6, ARP, TCP, UDP, RTP, RTSP, RTCP, 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 I/O | Built-in Microphone; 1/1 (Multi-interface Version) | | |
| **System** | Alarm I/O | 1/1 (Multi-interface Version) | | |
| | Storage | Support microSD/SDHC/SDXC Card Local Storage, up to 256G | | |
| | Advanced Function | Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, 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) | | |
| | Video Analysis (Optional) | Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed | | |
| | System Compatibility | ONVIF Profile S & G & T | | |
| **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 | 2.5W MAX 5W MAX (With IR on) | 2.5W MAX 5.5W MAX (With IR on) | 5.2W 6.6W MAX (With IR on) |
| | Housing | Up to IP67-rated for Weather-resistant Performance; Vandal-proof IK10-rated Metal Housing | | |
| | EN50155 | Support | | |
| | Weight | 500g | | |
| | Dimensions | 118.5mmX110.8mmX65mm | | |
| | Warranty | 3/5 Years | | |

V7.18

# H.265$^+$ Vandal-proof Mini Dome Network Camera

## Structure Diagrams

IR LEDs
Microphone
microSD/SDHC/SDXC Card Slot
Reset
Power and System LED Indicator
Light Sensor
Screw
Lens
Ethernet Port (PoE)

(Default Version)

IR LEDs
Microphone
microSD/SDHC/SDXC Card Slot
Reset
Power and System LED Indicator
Light Sensor
Screw
Lens
Audio In/Out
Ethernet Port(PoE)
DC 12V
Alarm In/Out

(Multi-interface Version)

110.8
65
36.6
8°
SR30.4

118.5
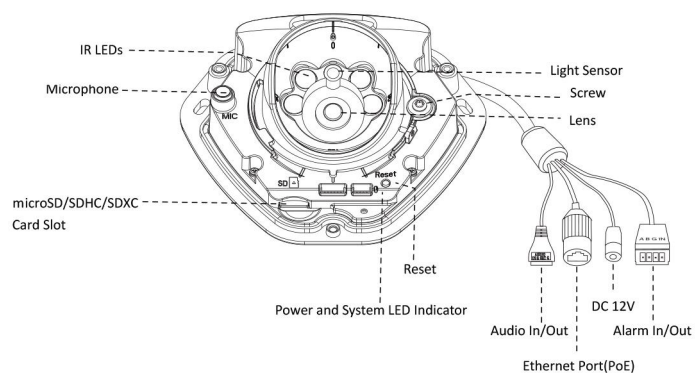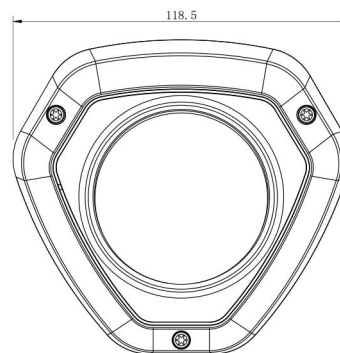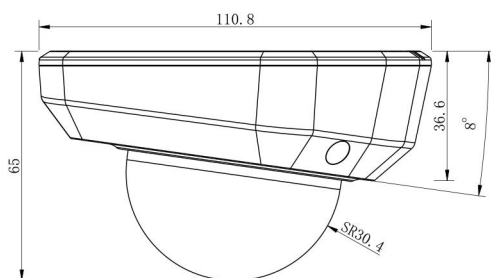
Units: mm

## Accessories Support

**A01 Pole Mount**
Weight: 720g
Dimensions: 170*51.5*152.6mm

**A02 Internal Corner Bracket**
Weight: 540g
Dimensions: 170*23.2*205.3mm

**A03 External Corner Bracket**
Weight: 900g
Dimensions: 170*152.6*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