

Milesight



AI 4X/12X Pro Bullet Plus 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.)
- ▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- ▶ HLC (High Light Compensation. Improving image visibility under strong light sources.)
- ▶ 140dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 140dB.)
- ▶ Integrated Cable Management (Combining the power interface, PoE port, and other interfaces in the base neatly.)
- ▶ 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.)

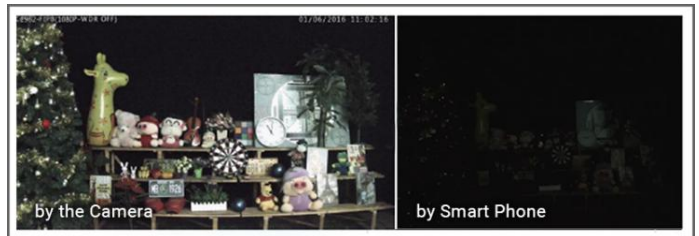
AI Video Analytics

- 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.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.



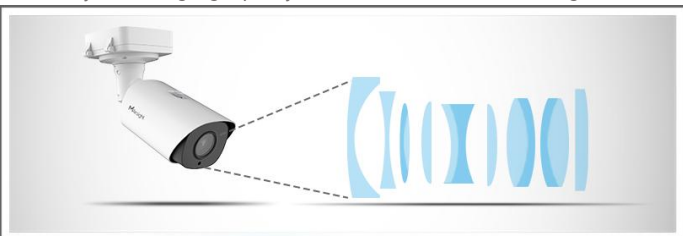
0.002Lux Ultra Low-light

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.



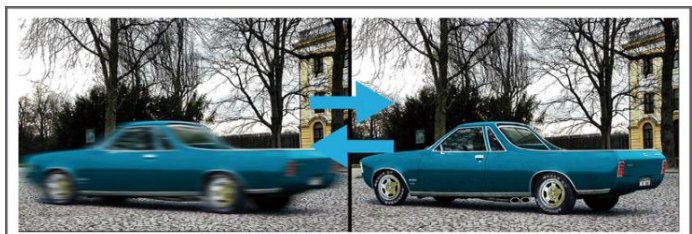
4X/12X Optical Zoom

The 4X/12X optical zoom can zoom up to distant subjects while still maintaining the clarity, delivering high quality video over the entire zoom range.



90fps

With the industry leading frame rate reaching 90fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.



AI 4X/12X Pro Bullet Plus Network Camera



| | Model | MS-C4466-X4RPE (4MP) | MS-C2966-X12R(T)PE (2MP) |
|------------------|-----------------------|--|--|
| Camera | Image Sensor | 1/1.8" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS |
| | Min. Illumination | Color: 0.002Lux@F1.6 B/W: 0Lux with IR on | Color: 0.005Lux@F1.6 B/W: 0Lux with IR on |
| | WDR | 140dB Super WDR | |
| | Shutter Time | 1/100000s~1s | |
| | IR Distance | Up to 180m | |
| | Day/Night Mode | Day/Night/Auto/Customize/Schedule | |
| | S/N | >55dB | |
| Lens | Lens | 8~32mm, 4X Optical Zoom | 5.3~64mm, 12X Optical Zoom |
| | Field of View | H44°~H13°/D51°~D15°/V25°~V7° | H61°~H5°/D69°~D5°/V36°~V2° |
| | Mount | Φ14 | |
| | Focus Control | Auto/Manual | |
| | Aperture | F1.6-F1.7 | F1.6~F2.8 |
| | Iris Control | Auto | |
| Video | Max. Image Resolution | 2688x1520 | 1920x1080 |
| | Primary Stream | 60Hz: 60fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) | 60Hz: 90fps@(1920x1080)(Optional for T Series) , 60fps@(1920x1080, 1280x960, 1280x720, 704x576) |
| | | 50Hz: 50fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) | 50Hz: 90fps@(1920x1080)(Optional for T Series) , 50fps@(1920x1080, 1280x960, 1280x720, 704x576) |
| | Secondary Stream | 60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240) | |
| | Tertiary Stream | 60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 320x240) | 60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240) |
| | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264/MJPEG | |
| | Video Bit Rate | 16Kbps~16Mbps(CBR/VBR Adjustable) | |
| | Privacy Masking | Up to 8 Areas (Mask Area and Mosaic Area are optional) | |
| | ROI | Up to 8 areas | |
| | Image Setting | Brightness/Contrast/Saturation/Sharpness | |
| Interface | Ethernet | 1*RJ45 10M/100M Ethernet Port | |
| | Audio I/O | 1/1 | |
| | Alarm I/O | 1/1 | |
| 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 | 8/16/32/44.1/48KHz | |
| | Audio Bit Rate | 16~256kbps | |
| | Two-way Audio | Support | |

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| | | | |
|------------------------------|---|---|-------|
| Intelligent Analytics | Video Analysis | Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed | |
| | Face Detection&Face Attribute Recognition | Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap; Support Faces Privacy Mode, the detected faces in the face detection area will be mosaic automatically. | |
| | Object Counting & Report | Count the number of objects crossing the line, optionally human and vehicle, Support regional people counting for up to 4 detection areas | |
| System | Storage | Support microSD/SDHC/SDXC Card Local Storage, up to 1TB | |
| | Advanced Function | Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog 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, External Input, Audio Alarm, etc. | |
| | Event Action | FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc | |
| | System Compatibility | ONVIF Profile G & M & S & T, API | |
| General | Working Temperature | -40°C~60°C -60°C~60°C (Optional for Heater Version) | |
| | Working Humidity | 0~95%(Non-condensing) | |
| | Power Supply | PoE (802.3at) / DC 12V±10% | |
| | Power Consumption | 8W MAX | |
| | | 14W MAX (With IR on) | |
| | | 10W Max (With Heater on) Heater on: below 10°C, Heater off: above 25°C | |
| | Surge Protection | 4KV | |
| | Weather Proof | Up to IP67-rated for Weather-resistant Performance | |
| | Housing | Vandal-proof IK10-rated Metal Housing | |
| | Weight | 1445.8g | 1447g |
| | Dimensions | 320mmX134mmX126mm | |
| Warranty | 3/5 Years | | |

AI 4X/12X Pro Bullet Plus Network Camera



| | Model | MS-C5366-X12PE (5MP) | MS-C8266-X4PE (4K) |
|------------------|--|--|--|
| Camera | Image Sensor | 1/2.8" Progressive Scan CMOS | 1/1.8" Progressive Scan CMOS |
| | Min. Illumination | Color: 0.008Lux@F1.6 B/W: 0Lux with IR on | Color: 0.009Lux@F1.6 B/W: 0Lux with IR on |
| | WDR | 120dB Super WDR | |
| | Shutter Time | 1/100000s~1s | |
| | IR Distance | Up to 180m | |
| | Day/Night Mode | Day/Night/Auto/Customize/Schedule | |
| | S/N | >55dB | |
| | Lens | Lens | 5.3~64mm, 12X Optical Zoom |
| Field of View | | H57°~H4°/D69°~D5°/V44°~V1° | H44°~H13°/D51°~D15°/V25°~V7° |
| Mount | | Φ14 | |
| Focus Control | | Auto/Manual | |
| Aperture | | F1.6~F2.8 | F1.6-F1.7 |
| Iris Control | | Auto | |
| Video | Max. Image Resolution | 2592x1944 | 3840x2160 |
| | Primary Stream | 60Hz: 30fps@(2592x1944, 2592x1520), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720) 50Hz: 25fps@(2592x1944, 2592x1520), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720) | 60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) |
| | Secondary Stream | 60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240) | |
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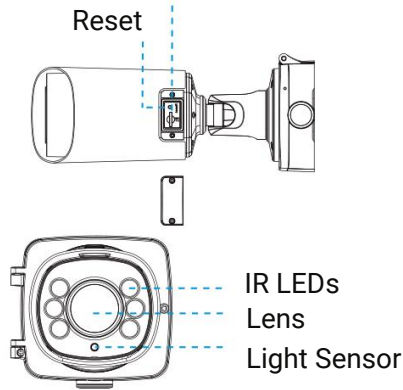


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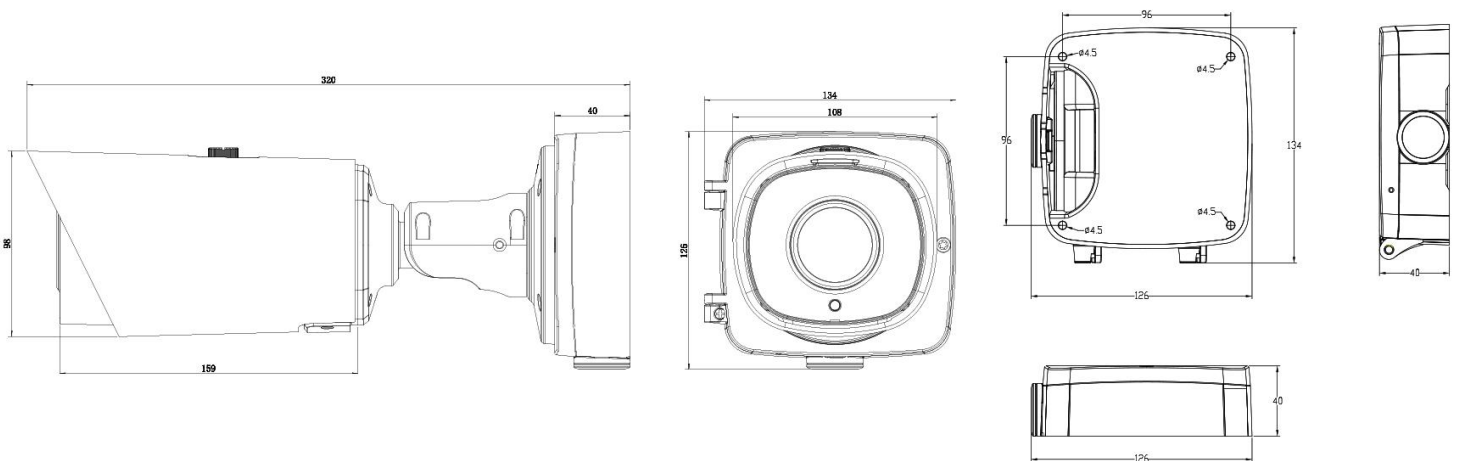
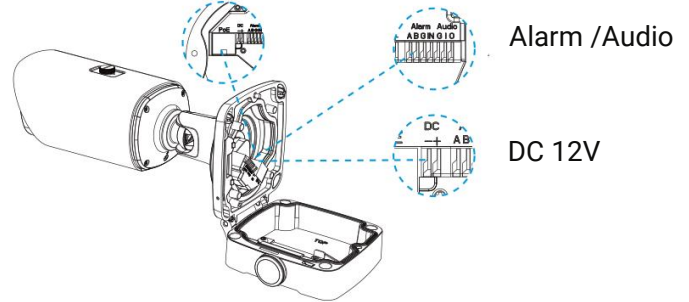


Structure Diagrams

microSD/SDHC/SDXC Card Slot



Ethernet Port(PoE)



Units: mm

Accessories Support

A62 Junction Box

Weight: 510g

Dimensions: 134*126*40mm



A01 Pole Mount

Weight: 720g

Dimensions: 170*51.5*152.6mm



A03 External Corner Bracket

Weight: 900g

Dimensions: 170*152.5*76.3mm

