# AI AF Motorized Pro Bullet Plus Network Camera

IP67 + IK10

AF Lens

DATASHEET

## KEY FEATURES

- 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.)
- Defog (Defog technology. Restoring clear images in hazy and foggy weather.)
- Integrated Cable Management (Combining the power interface, PoE port, and other interfaces in the base neatly.)
- 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)
- 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.

### 3 in 1 Super WDR Pro - 140dB

Milesight upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

### 0.001Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.001Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.

### 100fps

With the industry leading frame rate reaching 100fps, 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 AF Motorized Pro Bullet Plus Network Camera

| | Model | MS-C2866-X4(R)(T)PC (2MP) | MS-C2966-X12(R)(T)PC (2MP) |
|---|---|---|---|
| **Camera** | Image Sensor | 1/2" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS |
| | Min. Illumination | Color: 0.001Lux@F1.2<br>Color: 0.002Lux@F1.6<br>B/W: 0Lux with IR on | Color: 0.002Lux@F1.2<br>Color: 0.005Lux@F1.6<br>B/W: 0Lux with IR on |
| | WDR | 140dB Super WDR<br>**(Super WDR Pro is optional for T Series)** | |
| | Shutter Time | 1/100000s~1s | |
| | IR Distance | Up to 150m | |
| | 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° | H57°~H4°/D69°~D5°/V44°~V1° |
| | Mount | Φ14 | |
| | Focus Control | Auto/Manual | |
| | Aperture | F1.6-F1.7 | F1.6~F2.8 |
| | Iris Control | Auto | |
| **Video** | Max.Image Resolution | 1920x1080 | |
| | Primary Stream | **100fps@(1920x1080)(Optional for T Series),**<br>60fps@(1920x1080, 1280x960, 1280x720, 704x576) | |
| | Secondary Stream | 60fps@(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) | |
| | Privacy Masking | Up to 8 areas | |
| | 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 | |
| **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 | |

# AI AF Motorized Pro Bullet Plus Network Camera

| | | |
|---|---|---|
| **Intelligent Analytics** | Video Analysis | Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed |
| | Face detection | Detect and capture faces, get real-time snapshots |
| | 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 | BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, 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 & Q & S & T, API |
| **General** | Working Temperature | -40℃~60℃ |
| | Working Humidity | 0~90%(Non-condensing) |
| | Power Supply | PoE (802.3at) / DC 12V±10% |
| | Power Consumption | 8W MAX<br>14W MAX (With IR on) |
| | 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 AF Motorized Pro Bullet Plus Network Camera

| | Model | MS-C5366-X12PC (5MP) | MS-C8266-X4PC (4K) |
|---|---|---|---|
| **Camera** | Image Sensor | 1/2.8" Progressive Scan CMOS | 1/1.8" Progressive Scan CMOS |
| | Min. Illumination | Color: 0.005Lux@F1.2<br>Color: 0.008Lux@F1.6<br>B/W: 0Lux with IR on | Color: 0.006Lux@F1.2<br>Color: 0.009Lux@F1.6<br>B/W: 0Lux with IR on |
| | WDR | 120dB Super WDR | |
| | Shutter Time | 1/100000s~1s | |
| | IR Distance | Up to 150m | |
| | Day/Night Mode | Day/Night/Auto/Customize/Schedule | |
| | S/N | >55dB | |
| **Lens** | Lens | 5.3~64mm, 12X Optical Zoom | 8~32mm, 4X 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 | 30fps@(2592x1944),<br>45fps@(2048x1536),<br>60fps@(1920x1080, 1280x960, 1280x720, 704x576) | 30fps@(3840x2160, 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) | |
| | Privacy Masking | Up to 8 areas | |
| | 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 | |
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| | People Counting& Report | Count the number of people entering or exiting, Up to 4 detection areas for regional people counting | |
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| | Advanced Function | BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, 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 & Q & S & T, API | |
| **General** | Working Temperature | -40℃~60℃ | |
| | Working Humidity | 0~90%(Non-condensing) | |
| | Power Supply | PoE (802.3at) / DC 12V±10% | |
| | Power Consumption | 8W MAX<br>13W MAX (With IR on) | 8W MAX<br>14W MAX (With IR on) |
| | Surge Protection | 4KV | |
| | Weather Proof | Up to IP67-rated for Weather-resistant Performance | |
| | Housing | Vandal-proof IK10-rated Metal Housing | |
| | Weight | 1447g | 1445.8g |
| | Dimensions | 320mmX134mmX126mm | |
| | Warranty | 3/5 Years | |

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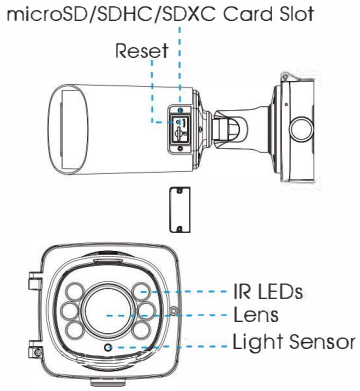
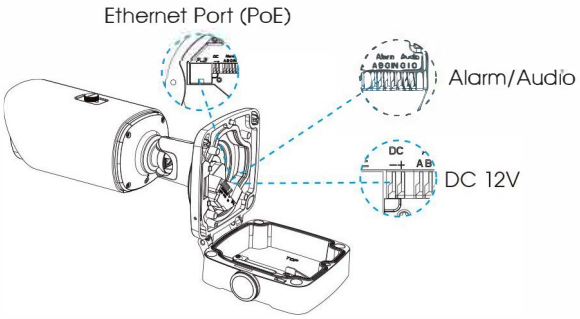
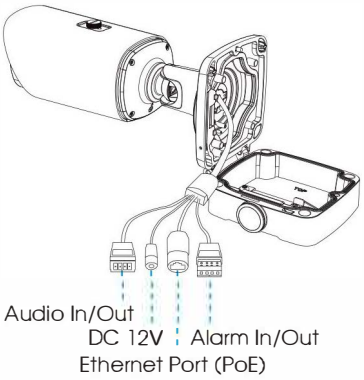
## Structure Diagrams

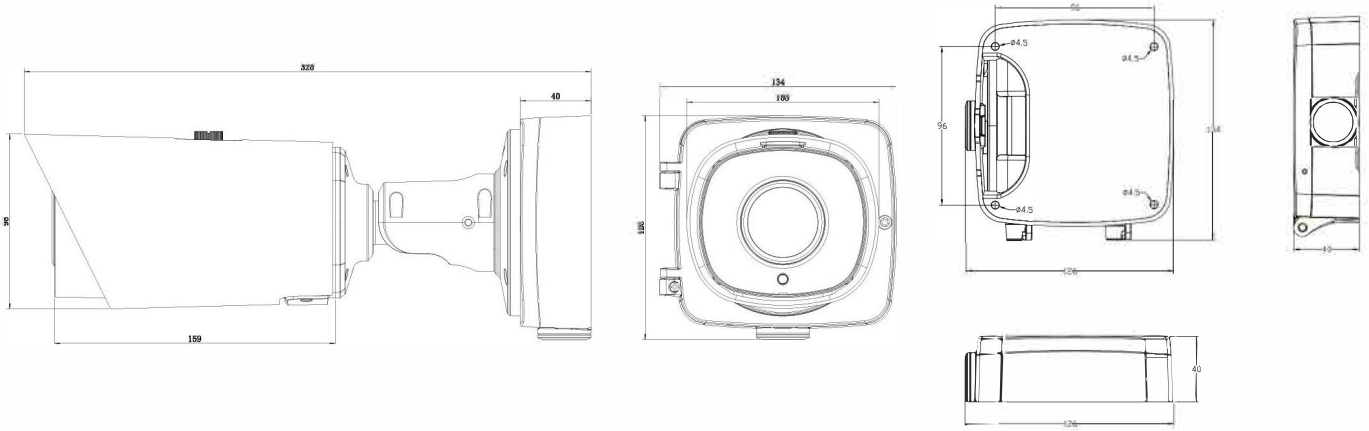



**Version A**




**Version B**



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

A62 Junction Box

Weight: 510g
Dimensions: 134*126*40mm

acam CCTV SOLUTIONS

Acam Technology Ltd | www.acamtechnology.com

sales@acamtechnology.com

Unit 3, Prime Enterprise Park
Prime Parkway
Derby DE1 3QB
United Kingdom
Tel: +44 1332 382555