

AI LPR Motorized Pro Bullet Plus Network Camera

NDAA

IP67 + IK10

Motorized Lens



DATASHEET



KEY FEATURES

- ▶ NDAA Compliance (Milesight Fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- ▶ 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.)
- ▶ P-Iris (Giving you a more clear scene with depth of view.)
- ▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- ▶ 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.)

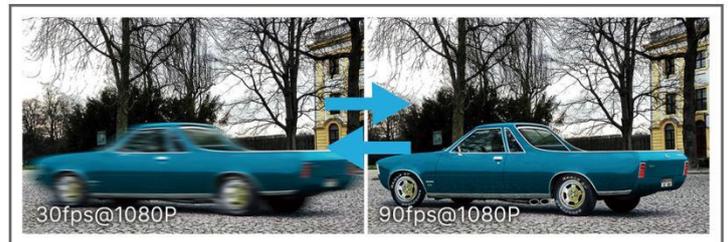
AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a pre-trained deep learning model, which can not only recognize vehicle plates in real time with high accuracy, but also identify more vehicle features, like vehicle type, color, etc., generating powerful security and traffic insights.



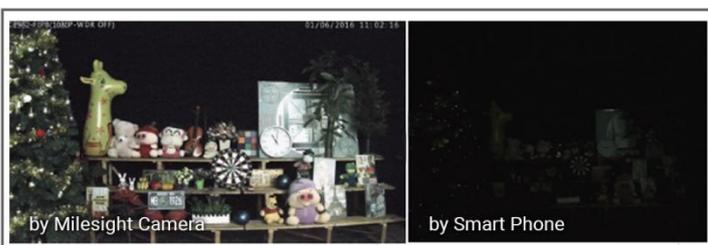
90fps

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.



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.



Integrated Cable Management Bracket

Milesight Intergrated Cable Management provides easier and faster installation for the users. Versatile interfaces such as PoE, DC, Audio I/O and Alarm I/O are available. The well-designed integrated junction box also makes the cable connection neat and tidy.



AI LPR Motorized Pro Bullet Plus Network Camera



| | Model | MS-C2966-TF(I)LPA (2MP) |
|-----------|--------------------------------------|--|
| Camera | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Min. Illumination | Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on |
| | WDR | 120dB Super WDR |
| | Shutter Time | 1/100000s~1s |
| | IR Distance | Up to 65m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm) |
| | Day/Night Mode | Day/Night/Auto/Customize/Schedule |
| | S/N | >55dB |
| Lens | Lens | Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional) |
| | Field of View | H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H104°~H34°/D120°~D39°/V57°~V19° (3.0~10.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm) |
| | Mount | Φ14 |
| | Focus Control | Auto/Manual |
| | Iris Control (Optional for I Series) | Auto/Manual |
| LPR | Max. Vehicle Speed | 200km/h |
| | Recognition Accuracy | >95% |
| | Coverage | Support simultaneous detection of 4 regions |
| | White/Black List | Up to 1000 records inside the camera |
| | Smart Traffic Detection | License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection |
| Video | Max. Image Resolution | 1920x1080 |
| | Primary Stream | 60Hz/50Hz: 90fps@(1920x1080, 1280x960, 1280x720, 704x576) |
| | Secondary Stream | 60Hz/50Hz: 90fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) |
| | Tertiary Stream | 60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(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 |

AI LPR Motorized Pro Bullet Plus Network Camera



| | | |
|----------------|----------------------|--|
| 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 |
| System | Storage | Support microSD/SDHC/SDXC Card Local Storage, up to 256G |
| | Advanced Function | 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 | Black/White List, 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°C~60°C |
| | Working Humidity | 0~90%(Non-condensing) |
| | Power Supply | PoE (802.3af) / DC 12V±10% |
| | Power Consumption | 7.5W MAX 14W MAX(With IR on) |
| | Weather Proof | Up to IP67-rated for Weather-resistant Performance |
| | Housing | Vandal-proof IK10-rated Metal Housing |
| | Weight | 1630g |
| | Dimensions | 301mmX108mmX98mm |
| | Warranty | 3/5 Years |

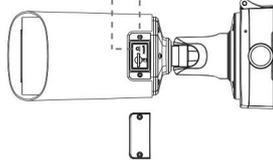
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Structure Diagrams

microSD/SDHC/SDXC Card Slot

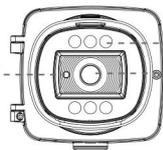
Reset



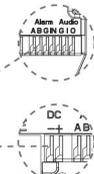
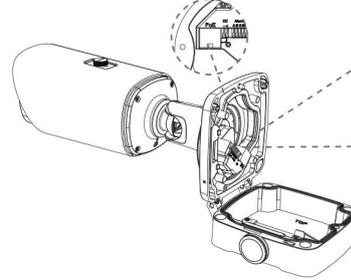
Light Sensor

IR LEDs

Lens



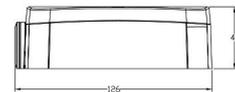
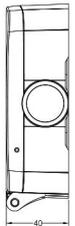
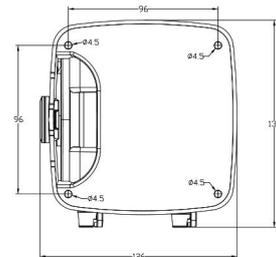
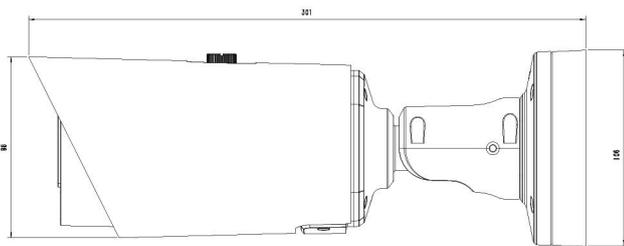
Ethernet Port (PoE)



Alarm/Audio



DC 12V



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



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