

■ Make Sensing Matter ■



INTELLIGENT TRAFFIC SERIES

Product Brochure

V4.5



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Milesight



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4G Solar-powered Traffic Sensing Camera

AI Road Traffic Pro Bullet Plus Camera

AI Road Traffic Radar Pro Bullet Plus Camera

AI Road Traffic Supplement Light Pro Bullet Plus Camera

AI Road Traffic Speed Dome Camera

AI Road Traffic PTZ Bullet Camera

AI Road Traffic PTZ Bullet Plus Camera

AI Road Traffic 5G Pro Bullet Plus Camera

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Indoor Parking Guidance Camera

Parking Management Camera

5G Parking Management Camera

Entrance & Exit AI LPR Pro Bullet Plus Camera

Entrance & Exit AI LPR Bullet Camera

Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera

Entrance & Exit AI LPR Pro Dome Camera



Go Beyond Security, Go for Smarter Traffic

In the complex landscape of traffic management, reliability and efficiency are non-negotiable. At Milesight, we understand the critical role that intelligent traffic solutions play in ensuring the smooth flow of daily life. That's why we're proud to introduce the Milesight Intelligent Traffic Camera Series - engineered to deliver unparalleled intelligence, efficiency, and reliability.

Drawing on our deep expertise in security surveillance, Milesight brings a refined, purpose-driven approach to modern traffic management. Our commitment to enhancing safety, optimizing traffic flow, and delivering scalable solutions is at the core of every product. Milesight Intelligent Traffic Camera Series is designed to meet the unique and evolving demands of traffic systems, offering advanced capabilities for today's most challenging traffic projects.

Discover how Milesight Intelligent Traffic Camera Series is shaping the future of safer, smarter, and more efficient roads.

Milesight PlateXpert Technology

Precision Redefined Beyond ANPR

PlateXpert

PlateXpert

Vehicle Type: Car
Vehicle Color: White
Plate: MS1234C
Plate Color: White

MS 1234C



≥99% Capture Rate



≥98% ANPR Accuracy

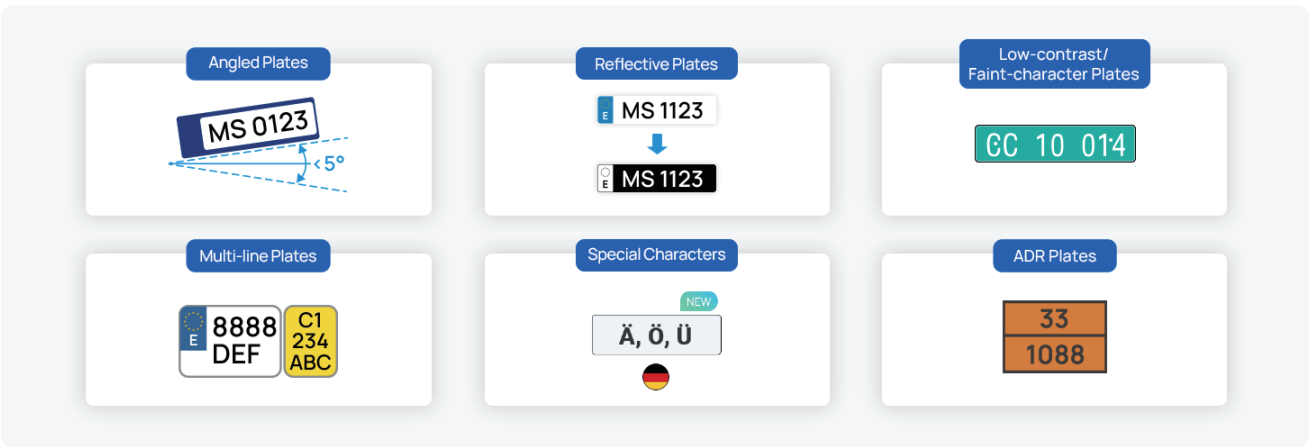


50+ Countries Supported

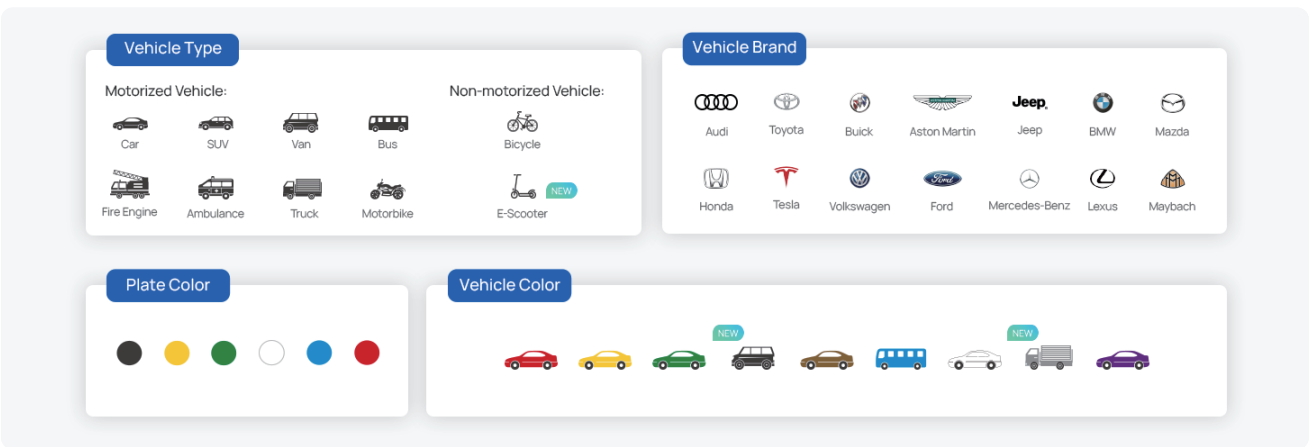


0.1 Second Recognition Time

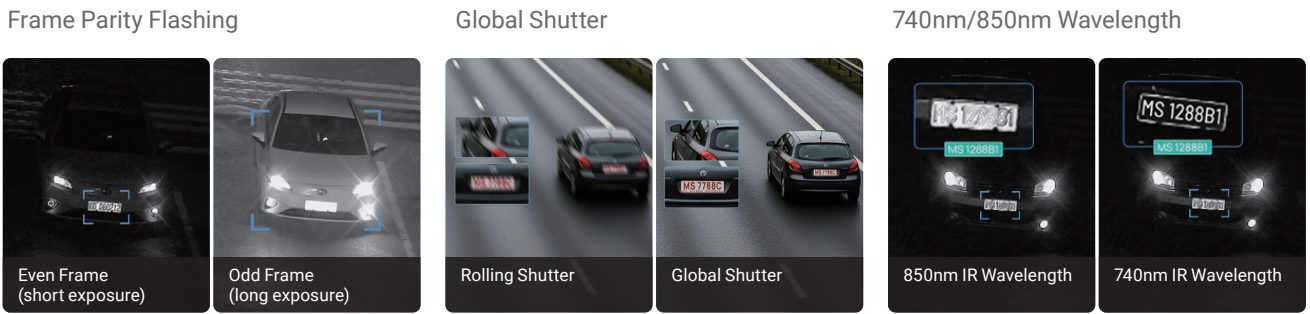
Recognize License Plates of Every Kind



Rich Plate Attributes & Vehicle Attributes



Core Technologies for Precise Recognition



TrafficX Series

Top-Tier Traffic Cameras for Most Demanding Traffic Applications



Speed Detection



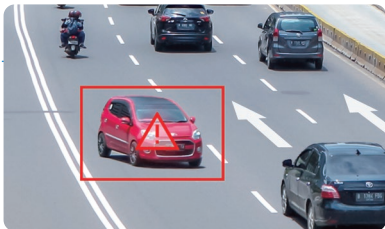
Vehicle Counting & Classification



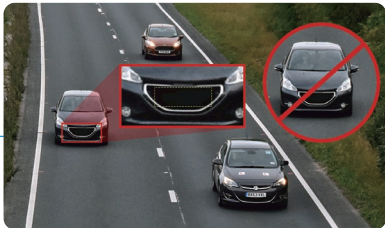
Dangerous Driving Behavior Detection:
Phone Call Detection & Seatbelt Detection



Red Light Violation Detection



Reverse Driving Detection



No-Plate Detection

Products



DualVision TrafficX Radar Camera
TS5510-GVH



DualVision TrafficX Camera
TS5510-GH



DualVision TrafficX Enforcement Camera
TS5511-GH



SingleVision TrafficX Camera
TS5020-GIE

Product Features

Single Sensor



SingleVision TrafficX Camera

- Lens: 5MP, 15-50mm, Motorized zoom and focus

Dual Sensor



DualVision TrafficX Camera

- Lens: 2*5MP, 15-50mm, Motorized zoom and focus



DualVision TrafficX Enforcement Camera

- Red Light Violation Detection
- Lens: 2*5MP, 15-50mm, Motorized zoom and focus



SingleVision TrafficX Camera

- Radar-Video Fusion
- Up to 320km/h Speed Detection
- Lens: 2*5MP, 15-50mm, Motorized zoom and focus

Up to 320km/h Vehicle Capture & ANPR



Plate Number: MS 1234C
Plate Color: White
Vehicle Type: SUV
Vehicle Color: Grey
Speed: 261km/h
MS 1234C

- Up to 99% Capture Rate & 98% ANPR Accuracy
- 50m ANPR Distance & 2~3 Lanes Coverage

More Features



Up to 60m IR Distance



1TB SD Card for Edge Storage



4G LTE Network for Wireless Transmission (Optional)

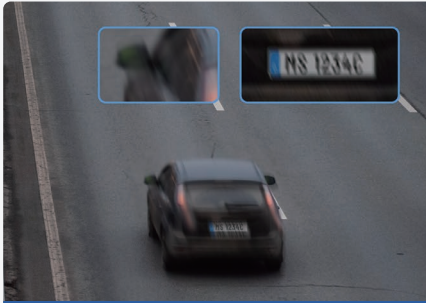


Built-in GPS for Precise Location

Global Shutter Sensor



Global Shutter



Rolling Shutter



Global Shutter

Frame Parity Flashing



Frame Parity Flashing



Even Frame(short exposure)



Odd Frame(long exposure)

740nm/850nm IR Wavelength



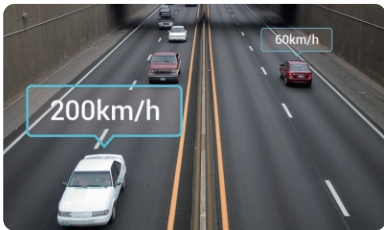
740nm IR



850nm IR

TrafficC Series

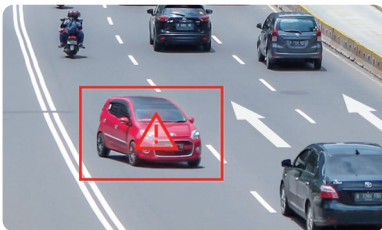
For More Efficient Road Traffic Management



Speed Monitoring & Speeding Detection



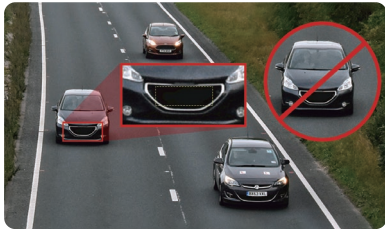
Attributes Event Detection



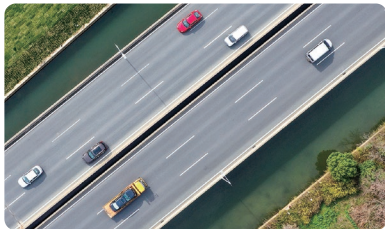
Reverse Driving Detection



Mobile Surveillance



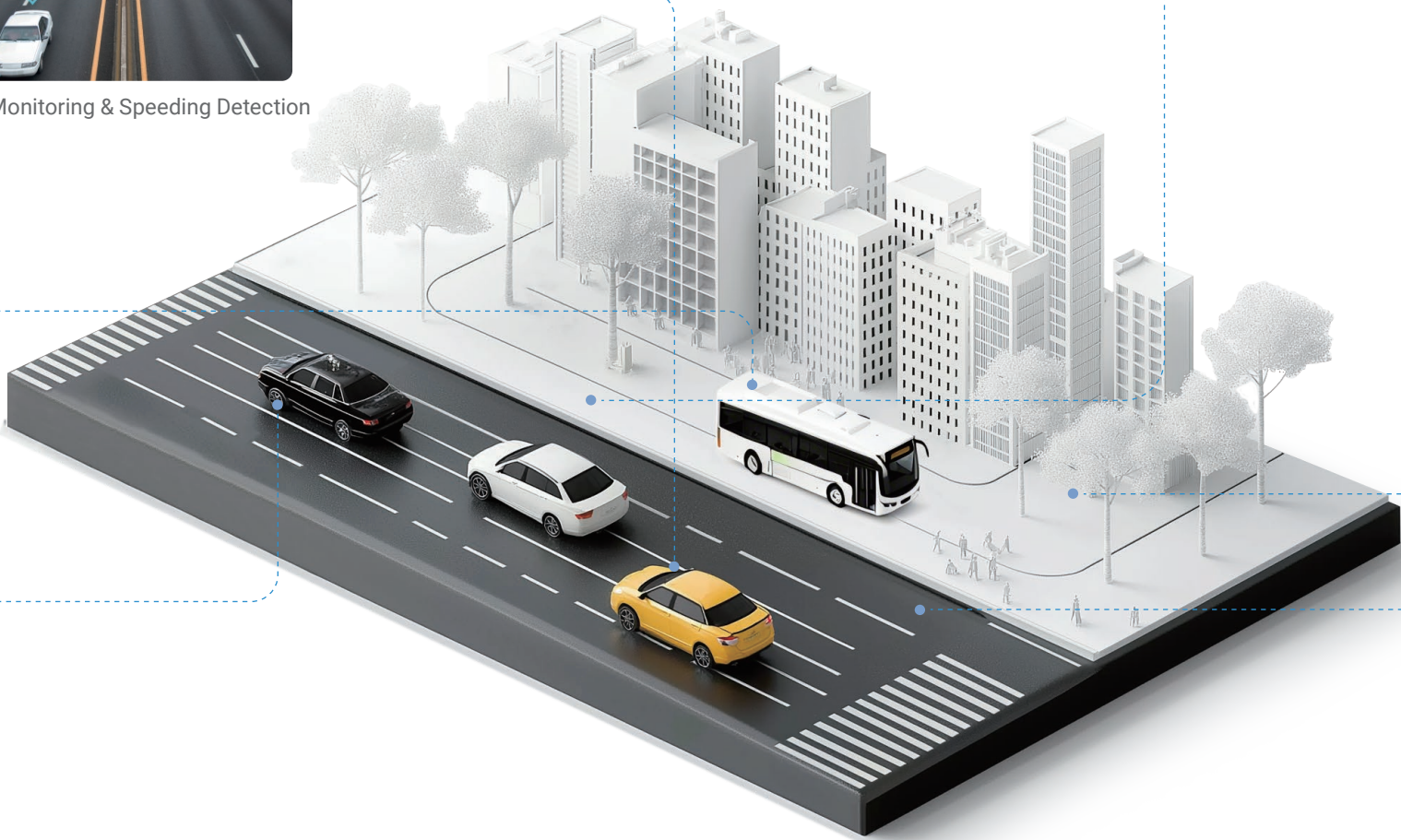
No-Plate Detection



Traffic Flow Management



On-street Parking Violation Detection



Products



4G Solar-powered ANPR Camera



4G Solar-powered Traffic Sensing Camera



AI Road Traffic Supplement Light Pro Bullet Plus Camera



AI Road Traffic PTZ Bullet Plus Camera



AI Road Traffic PTZ Bullet Camera



AI Road Traffic Pro Bullet Plus Camera



AI Road Traffic Radar Pro Bullet Plus Camera



AI Road Traffic Speed Dome Camera



AI Road Traffic 5G Pro Bullet Plus Camera



4G Solar-powered ANPR Camera



4G + Solar-powered for Efficient Remote Security



17-Day Battery Life with Continuous Recording



Up to 962Wh Battery & 2*100W Solar Panel

Working Configuration	Recording	LPR Detection	Data Transmission
Performance	Continuous	On (Full Frame Rate)	On/Off
Sleep	Scheduled Image Capture	Off	Off

Flexible Working Configuration for Enhanced Efficiency



On-Edge AI LPR & Vehicle Attributes Recognition

- Vehicle Type: Bicycle/Car/Motorcycle/Bus/Truck
- Allowlist/Blocklist Management & Events
- No-plate Event

More Features



4MP/0.005Lux/120dB
Super WDR



20m IR Distance



IP67



-20°C~65°C Working
Temperature



4G Connectivity



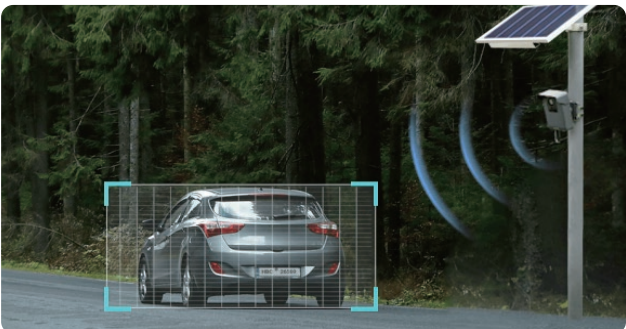
Built-in High-Accuracy
GPS Module



4G Solar-powered Traffic Sensing Camera



Precise Real-time Capture with Radar & AI





Low-power Mode Ensures Low
Consumption & High Efficiency



Solar-powered
for Sustainable Use

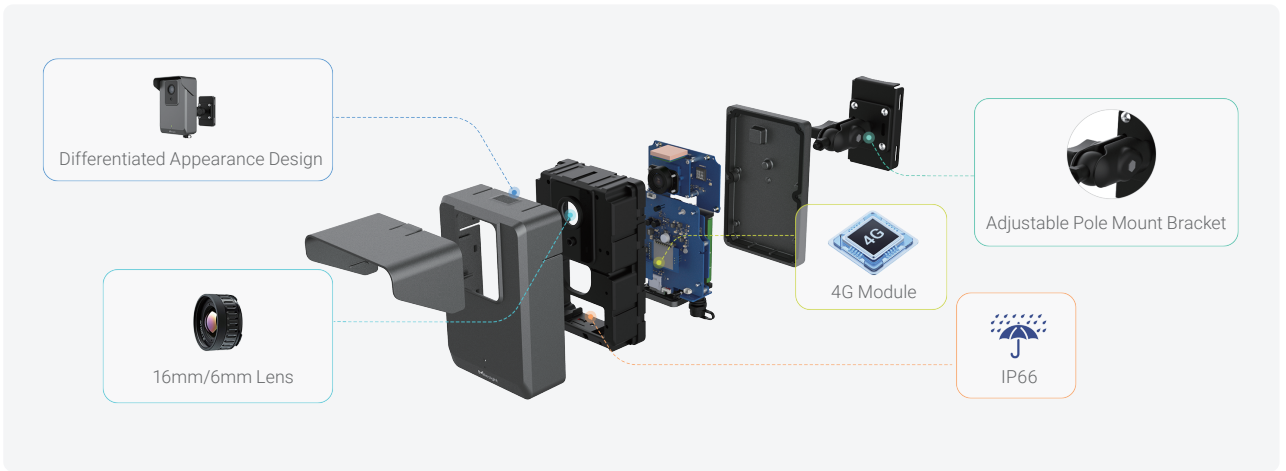


4G LTE Wireless & Effortless
Data Transmission



MQTT & HTTP Protocol
for Seamless Integration

Unique Structure Design for Flexible Deployment

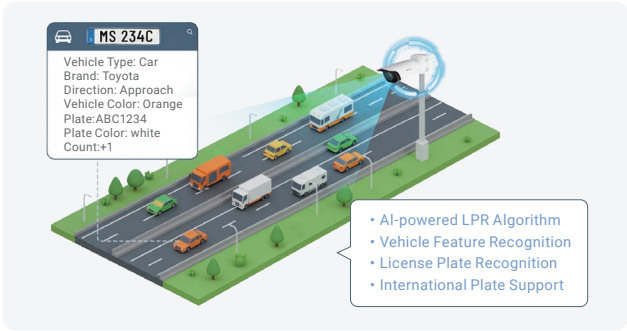


Various Applications

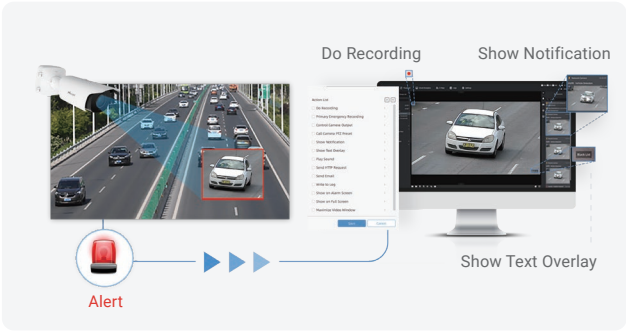


AI Road Traffic Pro Bullet Plus Camera

NDA



Professional AI-powered LPR Camera with Sharp Image



Traffic Violation Detection

 Superior Image Quality

- 4X/12X AF Lens
- Up to 4K Ultra High Definition
- 1/1.8" Sensor & 0.005Lux Starlight
- 60fps High Frame Rate
- WDR Supported
- 740nm/850nm Optional

 Traffic Management

- AI-powered LPR
- Traffic Flow Statistics
- Evidence Camera Linkage
- LPR Smart Search
- Plate Data Management

 More Highlights

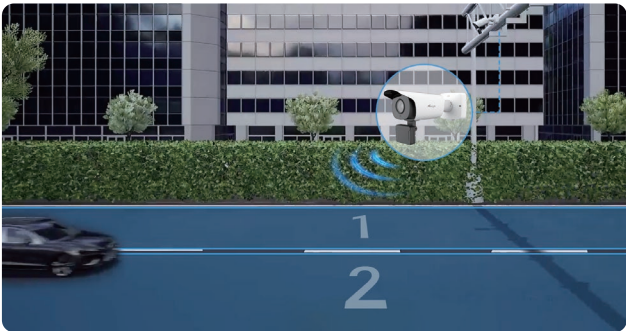
- IP67 & IK10
- Audio I/O, 2*Alarm I/O, Wiegand, DC12V, RS485, Ethernet Port
- SIP/VoIP Supported

AI Road Traffic Radar Pro Bullet Plus Camera

NDA



Up to 160km/h Speed Detection with 3D Radar



2 Lanes & 32 Vehicles Monitoring

 Superior Image Quality

- Lens: 4X/12X AF or Motorized 2.8~12mm@F1.2
- Smart IR II Technology
- Up to 4K Ultra High Definition
- 1/1.8" Sensor & 0.001Lux Starlight
- 60fps High Frame Rate
- WDR Supported

 Traffic Management

- AI-powered LPR
- Traffic Violation Detection
- Traffic Flow Statistics
- Evidence Camera Linkage
- LPR Smart Search
- Plate Data Management

 More Highlights

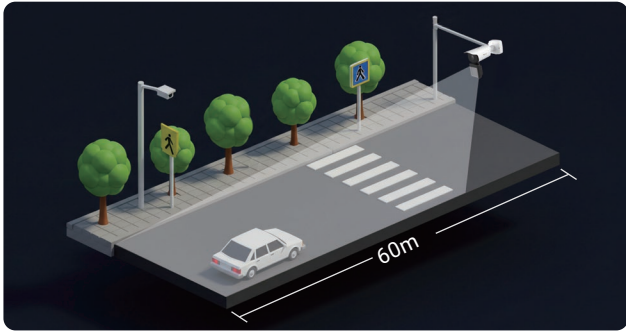
- IP67
- SIP/VoIP Supported

AI Road Traffic Supplement Light Pro Bullet Plus Camera

NDA



Integrated IR LED Light or White LED Light



Illumination Distance Up to 60m

 Superior Image Quality

- 4X(8~32mm) AF Lens
- Up to 4K Ultra High Definition
- 1/1.8" Sensor & 0.002Lux Starlight
- 60fps High Frame Rate
- 740nm/850nm Optional

 Traffic Management

- AI-powered LPR
- Traffic Violation Detection
- Traffic Flow Statistics
- Evidence Camera Linkage
- LPR Smart Search
- Plate Data Management

 More Highlights

- IP67 & IK10
- Audio I/O, 2*Alarm I/O, Wiegand, DC12V, RS485, Ethernet Port
- SIP/VoIP Supported
- Integrated Junction Box

AI Road Traffic Speed Dome Camera

NDA



Flexible Pan, Tilt and Zoom Tasks



630ft Long Distance LPR

 Superior Image Quality

- 36X(5.7~205.2mm) AF Lens
- 60fps High Frame Rate
- 1/1.8" Sensor & 0.002Lux Starlight
- 740nm/850nm Optional

 Traffic Management

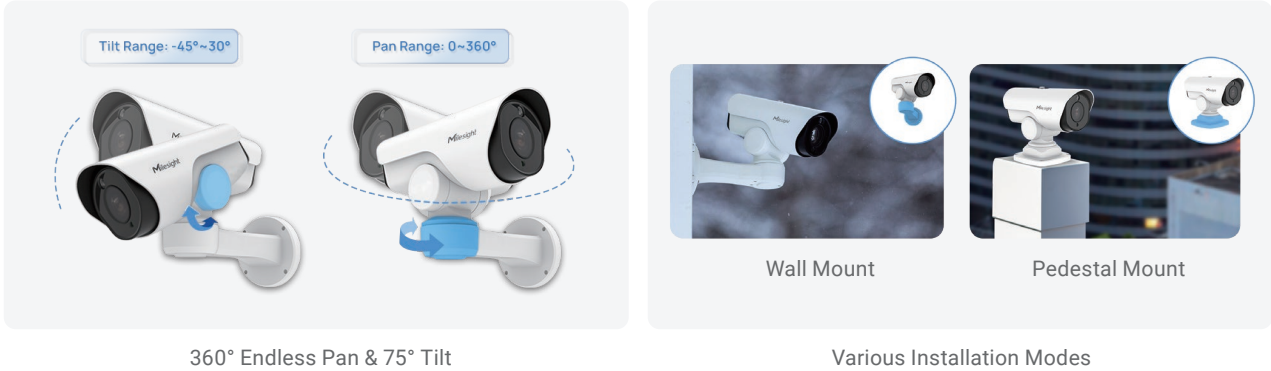
- AI-powered LPR
- Traffic Violation Detection
- Traffic Flow Statistics
- Evidence Camera Linkage
- LPR Smart Search
- Plate Data Management

 More Highlights

- IP66 & IK10
- 3D Positioning
- Smart Rain-Sensing Wiper (Optional)
- Various Accessories Optional
- SIP/VoIP Supported

AI Road Traffic PTZ Bullet Camera

NDA



360° Endless Pan & 75° Tilt

Various Installation Modes

- **Superior Image Quality**
 - 12X(5.6~64mm) AF Lens
 - 90fps High Frame Rate
- **Traffic Management**
 - AI-powered LPR
 - Traffic Violation Detection
 - Traffic Flow Statistics
 - Evidence Camera Linkage
 - LPR Smart Search
 - Plate Data Management
- **More Highlights**
 - 3D Positioning
 - IP66
 - SIP/VoIP Supported

AI Road Traffic PTZ Bullet Plus Camera

NDA

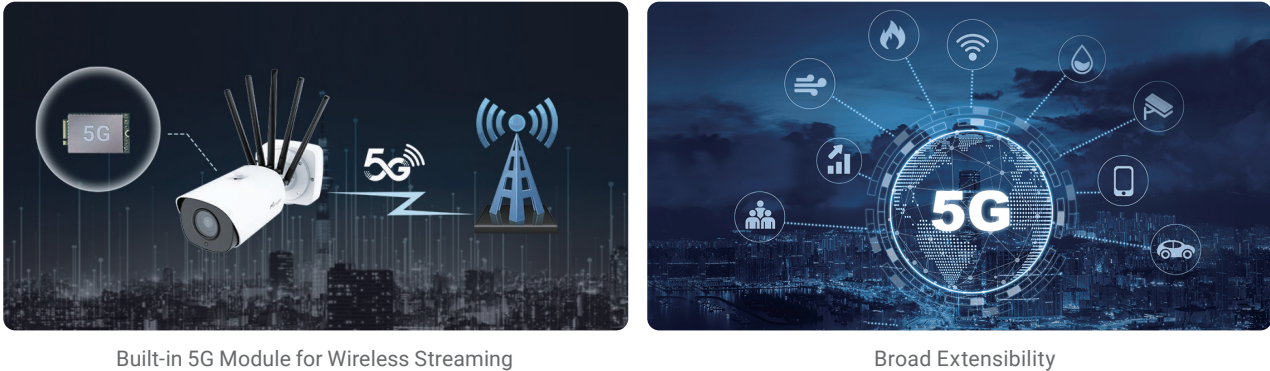


360° Endless Pan & 75° Tilt

3D Positioning

- **Superior Image Quality**
 - 5X/12X/20X/23X AF Lens
 - 1/1.8" Sensor & 0.002Lux Starlight
 - 90fps High Frame Rate
- **Traffic Management**
 - AI-powered LPR
 - Traffic Violation Detection
 - Traffic Flow Statistics
 - Evidence Camera Linkage
 - LPR Smart Search
 - Plate Data Management
- **More Highlights**
 - IP66
 - SIP/VoIP Supported

AI Road Traffic 5G Pro Bullet Plus Camera



Built-in 5G Module for Wireless Streaming

Broad Extensibility



Low Latency & High Bandwidth

Efficient Data Transmission with High Resolution

- **Superior Image Quality**
 - 4X Optical Zoom
 - 60fps High Frame Rate
 - 1/8" Sensor & 0.005Lux Starlight
- **Traffic Management**
 - AI-powered LPR
 - Traffic Violation Detection
 - Traffic Flow Statistics
 - Evidence Camera Linkage
 - LPR Smart Search
 - Plate Data Management
- **More Highlights**
 - IP67 & IK10
 - SIP/VoIP Supported
 - Integrated Junction Box

Parking Management Series

Driving Safety and Efficiency in Parking Management



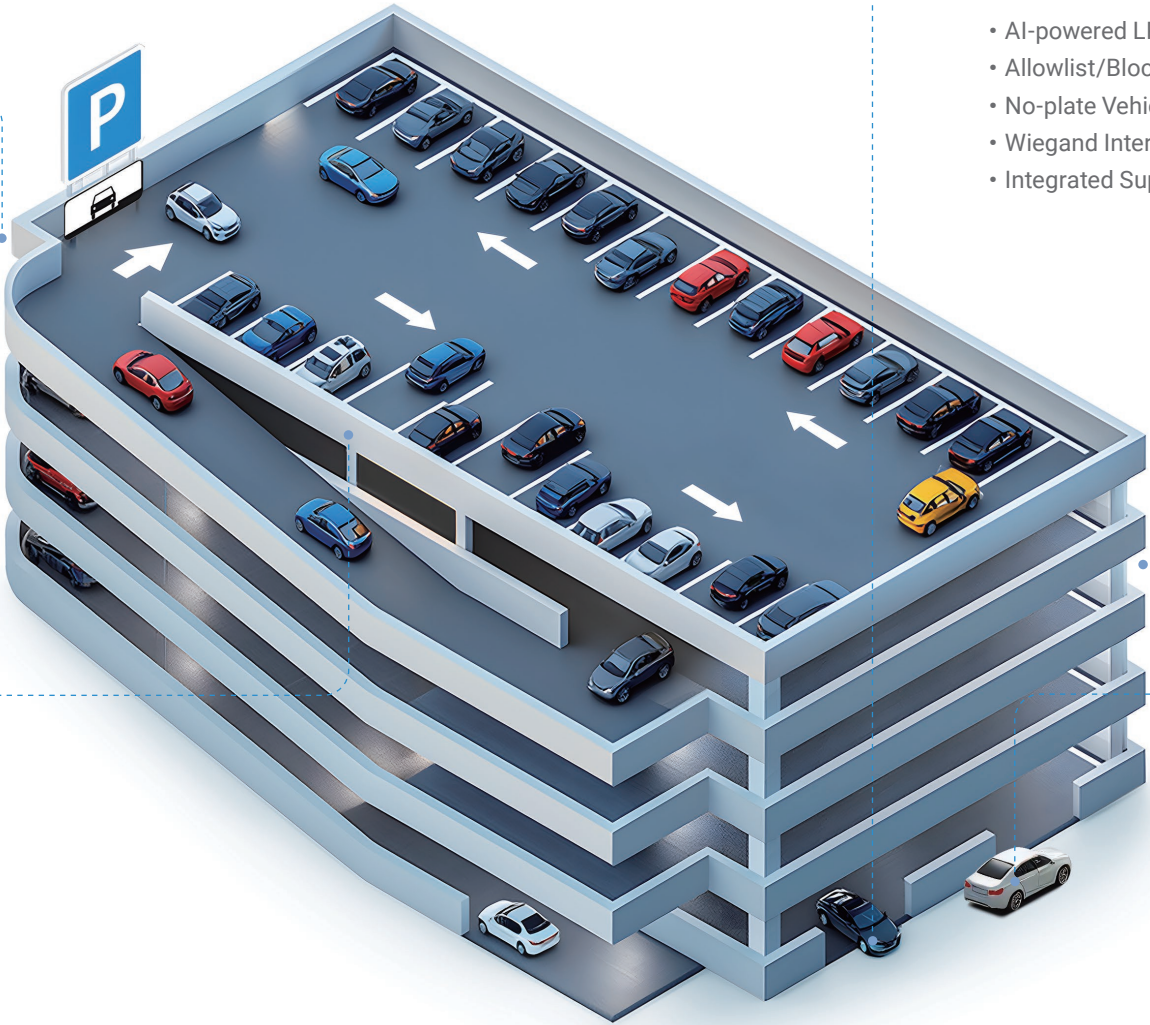
Indoor Parking Guidance

- Dual Lens for 6 Spaces
- Customizable Multi-color Indicator
- AI LPR & Vehicle Attributes Recognition



Parking Management

- Occupancy Detection (Up to 100 Parking Spaces)
- Parking Detection with LPR (Up to 6 Parking Spaces)
- Parking Violation Detection (Up to 2 Illegal Parking Areas)



Entrance & Exit Management

- AI-powered LPR Algorithm
- Allowlist/Blocklist Management
- No-plate Vehicle Detection
- Wiegand Interface for Access Control
- Integrated Supplement Light



Video Surveillance

- Image Capturing and Video Recording for Vehicle Security Incidents



On-street Parking Management

- Parking Occupancy Detection & Residence Time
- Parking Violation Detection

Products



Indoor Parking Guidance Camera



Parking Management Camera



5G Parking Management Camera



Entrance & Exit AI LPR Pro Bullet Plus Camera



Entrance & Exit AI LPR Bullet Camera



Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera



Entrance & Exit AI LPR Pro Dome Camera

Indoor Parking Guidance Camera

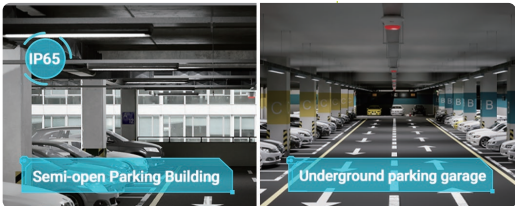
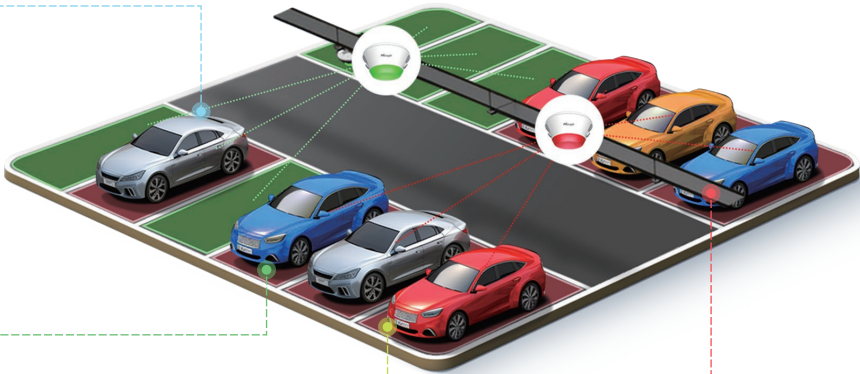
NDA



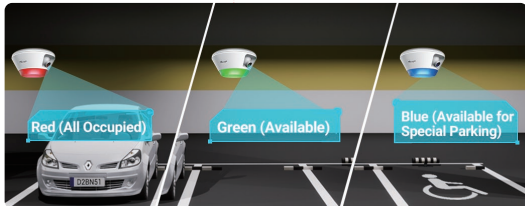
AI Parking Space Occupancy Detection with 99.9% Accuracy



AI LPR & Vehicle Feature Recognition

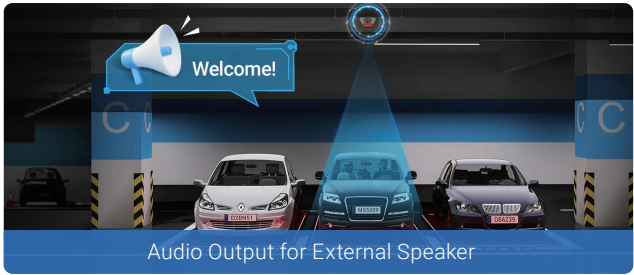


Perfect for Indoor & Semi-open Parking Lots



Multi-color Customizable Indicator

More Highlights



Audio Output for External Speaker



Flexible Integration with CGI/APIs



Daisy-chain for Easy Installation



IP65 Rated Robust Performance

Parking Management Camera



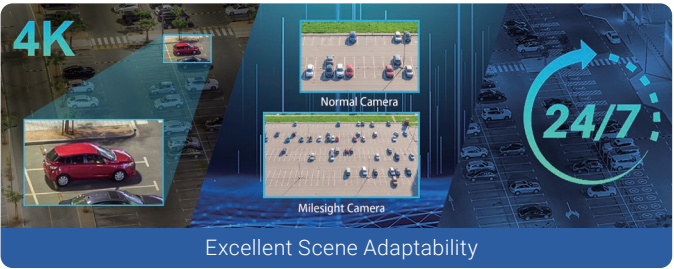
Parking Violation Management
Identify and Record Illegal Parking Behaviors



Parking Detection with LPR
Up to 6 Parking Spaces for Parking Detection with LPR



Occupancy Detection
Up to 100 Parking Spaces



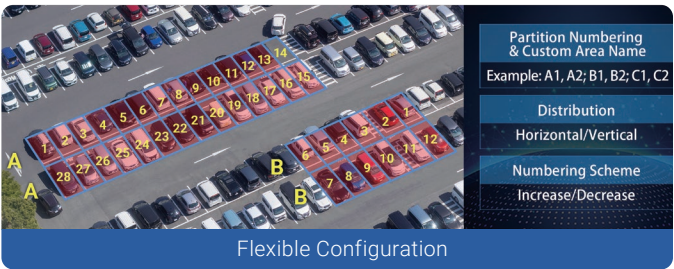
- Motorized zoom lens & 4K resolution
- 1/1.8" STARVIS starlight sensor



- Support CGI/APIs for third-party platform integration
- Support network protocol such as HTTP(s) for data processing



- Integrated cable management bracket
- IP67 & IK10



- Customizable configuration: Area Name, Planned Spaces of Area, Distribution and Numbering Scheme of the detection area

5G Parking Management Camera



Parking Violation Management
Identify and Record Illegal Parking Behaviors



Parking Detection with LPR
Up to 6 Parking Spaces for Parking Detection with LPR



Occupancy Detection
Up to 100 Parking Spaces



Native 5G/4G/3G support with broad NR, LTE-FDD/TDD, and WCDMA bands, ensuring worldwide adaptability



SA, NSA, and LTE fallback for uninterrupted operation across diverse network conditions



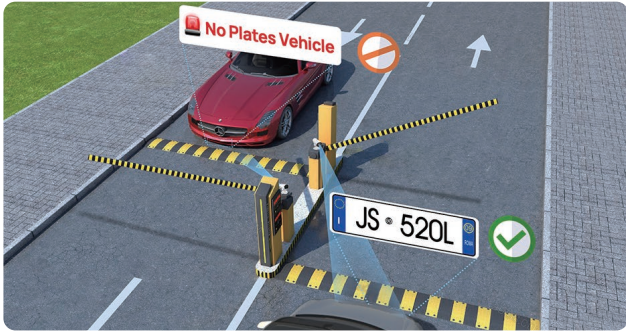
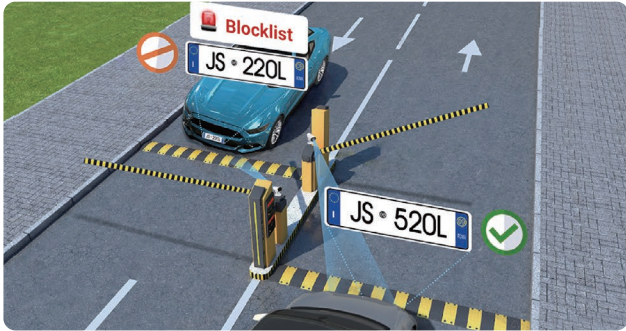
Up to 3.4Gbps downlink and 900Mbps uplink, guaranteeing real-time video streaming and data interaction



Stable, high-capacity channels designed for lossless image delivery, ensuring accurate vehicle capture and remote monitoring

Entrance & Exit AI LPR Pro Bullet Plus Camera

NDA



Allowlist/Blocklist Management and No-plate Vehicle Detection

Entrance & Exit Management

- AI-powered LPR
- Allowlist/Blocklist Management
- No-plate Vehicle Detection
- Wiegand Protocol Supported for Access Control
- Evidence Camera Linkage
- LPR Smart Search

Superior Image Quality

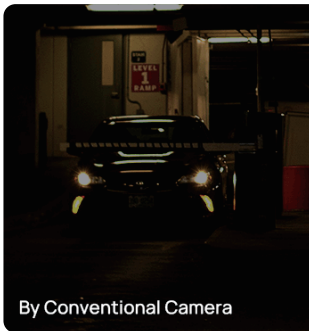
- 1/8" Sensor & 0.001Lux Starlight
- WDR Supported
- 60fps High Frame Rate
- Smart IR II Technology
- 740nm/850nm Optional

More Highlights

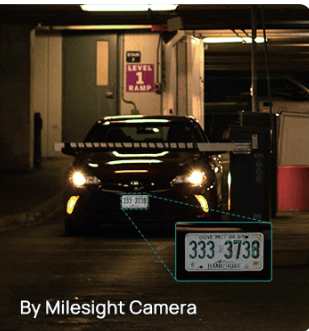
- IP67 & IK10
- CGI/APIs Supported
- SIP/VoIP Supported
- Integrated Junction Box

Entrance & Exit AI LPR Bullet Camera

NDA



By Conventional Camera



By Milesight Camera

0.005Lux Ultra Low-light



Intelligent AI-powered LPR Algorithm

Entrance & Exit Management

- AI-powered LPR
- Allowlist/Blocklist Management
- No-plate Vehicle Detection
- Evidence Camera Linkage
- LPR Smart Search

Superior Image Quality

- 140dB Super WDR
- 0.005Lux Ultra Low-light
- 60fps High Frame Rate
- Smart IR II Technology

More Highlights

- IP67 & IK10
- CGI/APIs Supported
- SIP/VoIP Supported
- Integrated Junction Box (Optional)



Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera



Integrated IR LED Light or White LED Light



Wiegand Protocol Supported for Access Control

Entrance & Exit Management

- AI-powered LPR
- Allowlist/Blocklist Management
- No-plate Vehicle Detection
- Wiegand Protocol Supported for Access Control
- Evidence Camera Linkage
- LPR Smart Search

Superior Image Quality

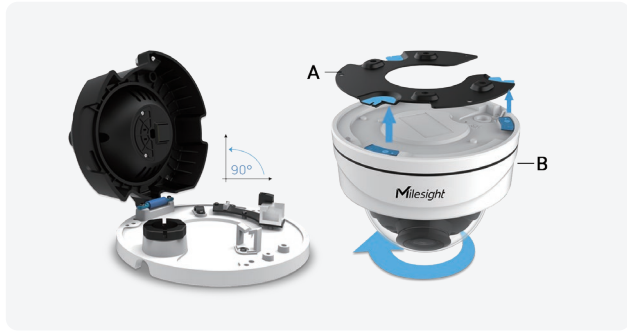
- WDR Supported
- 0.005Lux Ultra Low-light
- 60fps High Frame Rate

More Highlights

- IP67 & IK10
- SIP/VoIP Supported



Entrance & Exit AI LPR Pro Dome Camera



Efficient & Simple Installation



Easy and Flexible Deployment

Entrance & Exit Management

- AI-powered LPR
- Allowlist/Blocklist Management
- No-plate Vehicle Detection
- Evidence Camera Linkage
- LPR Smart Search

Superior Image Quality

- 140dB Super WDR
- 0.005Lux Ultra Low-light
- 60fps High Frame Rate
- Smart IR II Technology

More Highlights

- Efficient & Simple Installation
- IP67 & IK10
- SIP/VoIP Supported

Explore Milesight Traffic Solutions in 360°

Immersive. Interactive. Instantly Accessible.



Discover Entrance & Exit



Parking Management



Road Traffic Management



and more scenes...



Scan QR Code to Experience Now!



MAKE SENSING MATTER