NEW PRODUCTS

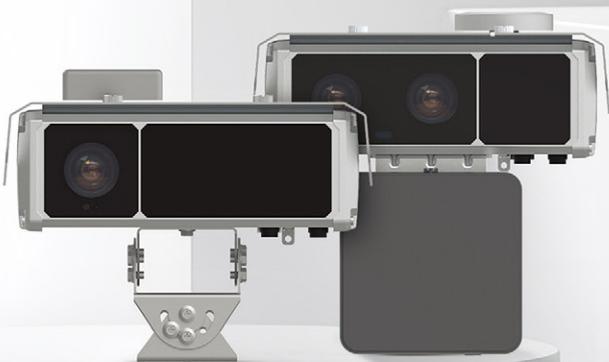*Milesight*

4G Solar-powered
Wireless Perimeter Defense
TrueColor
Radar-Video Fusion
High Speed ANPR

4G Solar-powered Camera Kit

Eco-friendly Security for Off-grid & Remote Area

Battery Pack

▶▶ Fast Deployment without Existing Infrastructure

All in 1 Kit
Camera, battery, solar & AI in one kit

Only 2 Watts
Ultra-low power consumption design

17 Days Battery Life
Up to 17 days of continuous recording

3rd Party Compatibility
Works with third-party VMS

▶▶ From Intruders to Plates, All Covered
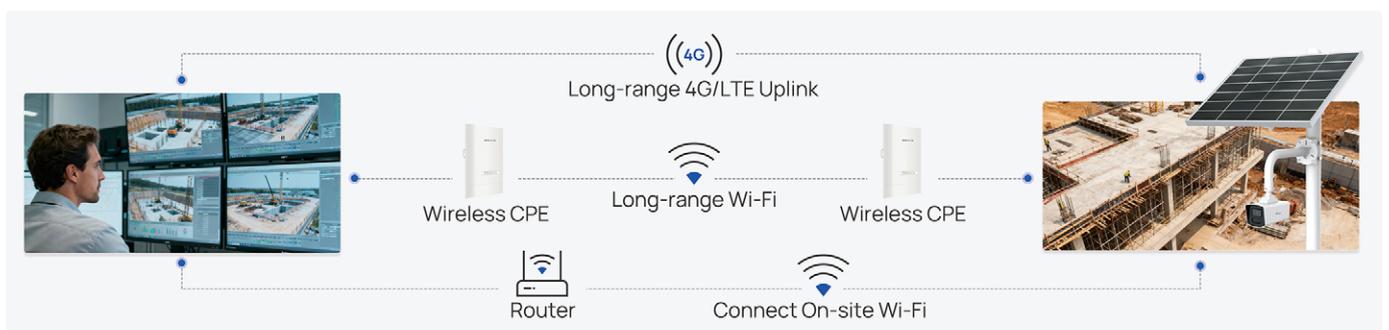
AI

4G Solar-powered **Security** Camera

- 2.8mm/6mm Lens
- Perimeter Protection & Proactive Defense
- Illegal Dumping Detection
- Vehicle/Human Classification

4G Solar-powered **ANPR** Camera

- 6mm/16mm Lens
- Comprehensive License Plate & Vehicle Type Recognition
- Efficient List Management & List Event
- No-plate Event

▶▶ Seamless Connectivity, Anywhere

((4G))
Long-range 4G/LTE Uplink

Wireless CPE

Long-range Wi-Fi

Wireless CPE

Router

Connect On-site Wi-Fi

4G Solar-powered Perimeter Sensing Camera

Wireless perimeter defense with AI visual verification

AI | PIR | AOV | GDPR | IP67

Wireless for Off-grid Perimeter Protection

PIR + AOV + AI Tri-sensing
Ultra-low false alarms with 30m detection distance

4MP Image & Recording
F1.0 large aperture & 1/1.8" CMOS

Low-power Design
Extends battery life for long-term operation

Wireless Deployment
4G/WiFi connectivity + solar powered

How it Works

Audio Out → Audio Deterrence

HTTP(S)/MQTT(S)/SMTP(Email) → Image · Recording

Suspicious Activity Detection

- **Two motion detection modes:** PIR sensing and AOV (Always-On Video)
- **AI visual verification:** Reduces environmental false alarms and focuses on real human events
- **Noise detection:** Monitors ambient sound and triggers alarms when it exceeds the set threshold

Trigger Alert & Action

- **Flexible evidence capture:** Snapshot only, short clip only, or snapshot + short clip
- **External speaker support:** Plays alarm tones or pre-recorded voice messages for deterrence
- **Multi-channel notifications:** Sends alerts via HTTP(S)/MQTT(S)/SMTP (Email) for fast integration with monitoring and alarm platforms

Smart Working Modes to Save Power Consumption

Working Mode	PIR	AOV	Scheduled Image	Exception Event	Remote Wake-up
ActiveGuard Mode	✓	✓	✓	✓	✓
EcoSnap Mode	✗	✗	✓	✓	✓
Standby Mode	✗	✗	✗	✓	✓

Q Series

See in TrueColor, Stay On-Guard

MSense

Smart Hybrid Light

VCA 2.0

TrueColor

Active Deterrence

▶▶ Key Highlights of Milesight Q Series

TrueColor Image	Built-in Deterrence	Smarter AI	Easy Deployment
• 4/5/8MP • Smart Hybrid Light • F1.0 Large Aperture & 1/1.8" Big Sensor • AI ISP • Super Day-Night Focus Lens • Precision AA Process	• AI-triggered Audio-Visual Alarms • Red & Blue Flashing Lights • Built-in Speaker & Dual Mic • Real-time Alarms to Deter Intrusions	• VCA 2.0 with Ultra-low False Alarm Rate • Up to 75m AI Detection Distance • MSense: Face Capture & Object Counting & Heat Map	• One-screwdriver Installation • ONVIF & Third-party Platform Ready • Sustainable Eco-friendly Packaging • IP67 & IK10

▶▶ How It Works?

Smart Hybrid Light

01 / IR Mode Activated

Infrared lights turn on in a quiet environment, delivering clear images for round-the-clock monitoring.

02 / Event Detected – Switch to Full-Color

Camera automatically switches full-color lighting upon detecting an event, revealing more details with vivid clarity.

03 / Active Deterrence Triggered

Built-in strobe lights and speaker activate instantly to warn the intruder.
*Red & blue lights support default-off.

04 / Return to IR Mode

Once the event has passed, the system switches back to IR mode, ensuring efficient and non-intrusive surveillance.

Parking Management Camera (PMC) Series

1 Camera, 3 AI Parking Detection Modes

Parking Violation Detection
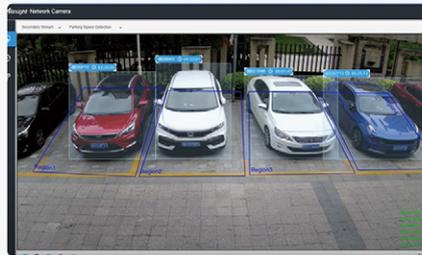
Occupancy Detection

LPR Parking Detction with LPR

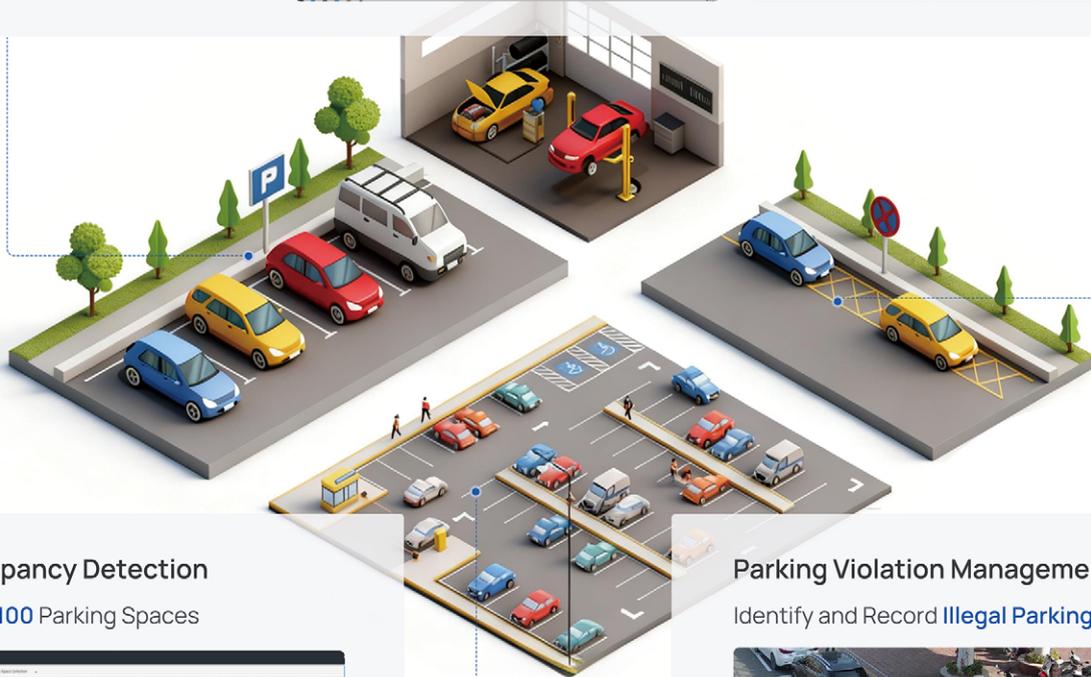Product Model
PMC8266-FPE

PMC8266-FGPE

Parking Detection with LPR

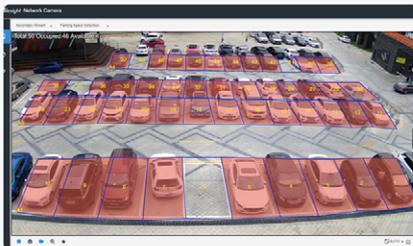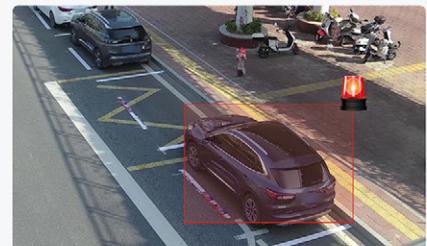Up to **6** Parking Spaces for Parking Detection with LPR

Occupancy Detection

Up to **100** Parking Spaces

Parking Violation Management

Identify and Record **Illegal Parking Behaviors**

- **5G Models Available**
- Real-Time Information Display on Live Interface
- >98% Accurate AI LPR
- Customizable Configuration for Occupancy Management
- IP67 & IK10
- Precise Parking Time Calculation and Duration Alert
- Clamshell Junction Box
- 4K & 1/1.8'' Sensor & 120dB Super WDR

Phone Use Detection & Seatbelt Unfastened Detection

PreciselySpot Driving Risks for Safer Roads

MS 1234C
Violation Type:
Seatbelt Unfastened

MS 8080A
Violation Type:
Phone Use

▶▶ High-Precision Driver Behavior Detection

Trained on extensive real-world road scenarios, significantly reducing missed detections and false alarms

Phone Use Detection

With IR Flash Light   Without IR Flash Light

Seatbelt Unfastened Detection

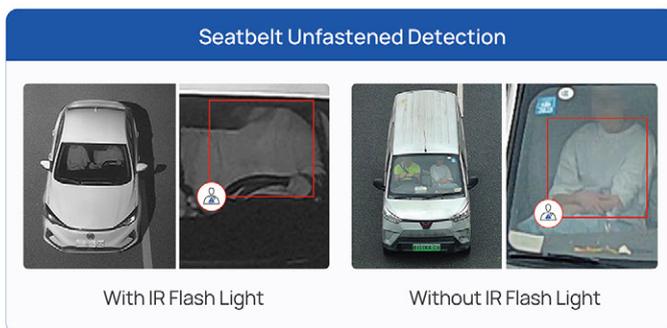With IR Flash Light   Without IR Flash Light

▶▶ In-Vehicle Face Mosaic to Protect Privacy

Automatically applies face mosaic to detected in-vehicle faces in event snapshots

- Phone Use Detection is supported for the driver
- Seatbelt Unfastened Detection is supported for both driver and front passenger

Front Passenger   Driver

▶▶ Milesight TrafficXCameras + Dedicated IR Flash Light:

Flash Light
- Power supply: AC 220V ±20%
- Infrared wavelength: ≥700nm
- Flash type: Default IR Light

DualVision
TrafficX Camera

SingleVision
TrafficX Camera

DualVision TrafficX Radar Camera

Advanced Radar-Video Fusion With Up to 320km/h Speed Detection

320km/h	Speed Detection & ANPR
24GHz	Radar
99%	Capture Rate
98%	ANPR Accuracy

Speed: 226km/h
Vehicle Type: Car
Vehicle Color: White
Plate: MS1234C
Plate Color: White

MS 1234C

TS5510-GVH

▶▶ Cutting-edge Radar Performance

⊕ Radar-Video Fusion + ANPR

⏱ Up to **320km/h** Speed Detection

/I\ **2~3 Lanes** Coverage (Recognition ≥95% individually)

⊚ Up to **32** Tracking Targets

320 km/h

▶▶ Ultra-clear Imaging

Frame Parity Flashing

Even Frame (short exposure)

Odd Frame (long exposure)

Global Shutter

Rolling Shutter

Global Shutter

740nm/850nm Wavelength

MS 1288B1

MS 1288B1

850nm IR Wavelength

740nm IR Wavelength

High Compatibility
• CGI/APIs and TCP/HTTP/MQTT for Easy Integration

Easy Network Connection
• Built-in 4G Module (Optional)

Edge AI ANPR
• Support Recognition of Various Plate Attributes(number and color)& Vehicle Attributes (Type, Color, and Brand)
• Up to 50 Meters ANPR Range

Violation Management
• Reverse Driving Detection, No-plate Detection, Vehicle Attributes Event Detection, Overspeed Violation, etc

Black/White List
• Up to 20000 Records inside the Camera

High Protection Level
• IP67 for Weather-resistant Performance

Large Storage
• Support SD Card Local Storage up to 1TB

SingleVision TrafficX Camera

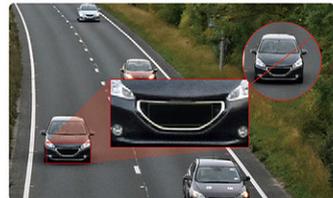## Capture Every Vehicle and Plate at Any Speed

| 5MP Lens | Global Shutter | Up to 250km/h ANPR | 2~3 Lanes Coverage |

MS 8080A
Plate Number: MS 8080A
Plate Color: White
Vehicle Type: SUV
Vehicle Color: White

▶▶ Up to 250km/h ANPR & Vehicle Capture

Capture and recognize license plates of high-speed vehicles
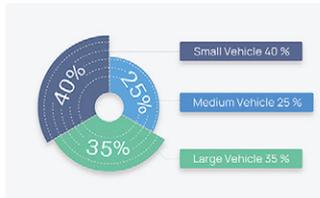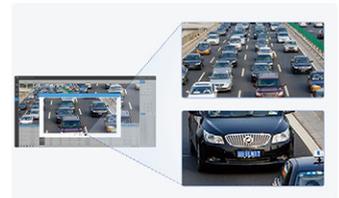
MS 8888S MS 1234A MS 5656d

No Plate Detection

Reverse Driving Detection

▶▶ Vehicle Attributes Event

Accurately detect vehicle attribute events and trigger alerts for critical traffic management

Vehicle Type
Motorized Vehicle: Car, SUV, Van, Bus, Fire Engine, Ambulance, Truck, Motorbike
Non-motorized Vehicle: Bicycle, E-Bike (NEW)

Vehicle Brand
Audi, Toyota, Buick, Aston Martin, Jeep, BMW, Mazda
Honda, Tesla, Volkswagen, Ford, Mercedes-Benz, Lexus, Maybach

Plate Color

Vehicle Color (NEW) (NEW)

Small Vehicle 40 %
Medium Vehicle 25 %
Large Vehicle 35 %

40% 25% 35%

Traffic Flow Statistics

Evidence Camera Linkage

5MP Motorized Lens

- 60fps
- P-iris
- Lens Defogging

(*Built-in fan and heater for faster lens defogging)

Stainless Steel Bracket

- Enhanced Corrosion Resistance
- Higher Structural Strength
- IP67 & IK10

Dual Antenna Design

- Stronger 4G Signal
- Built-in GPS

Upgraded IR for Better Visibility

- 740nm/850nm: 15 Light Beads

▶▶ Upcoming Functions (Next Firmware Version)

Coming Soon

| Phone Use Detection | Seatbelt Unfastened Detection | Restricted Lane Violation Detection | Illegal Lane Change Detection |