Make Sensing Matter

# PRODUCT BROCHURE

AI Video Surveillance

VCA

AI

4K

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**Milesight**

# CONTENTS

# About Us

Milesight offers multi-potential sensing products to capture the most meaningful data and makes it accessible across diverse applications. It innovatively applies emerging technologies such as AI, 5G, and IoT to distinct use scenarios. With a commitment to making sensing matter, Milesight quickly responds to customer-specific challenges and collaborates with an expanding network of partners to deliver unique data value. It is determined to make real, positive impacts in smart buildings, intelligent traffic, intelligent security, smart cities, and beyond.

**600+**
Employees

**2000+**
Distributors and
System Integrator
Partners

**120+**
Serves to
120+ Countries
and Regions

**2**
Focus on 2 Product
Lineups: Smart IoT
and Video Surveillance
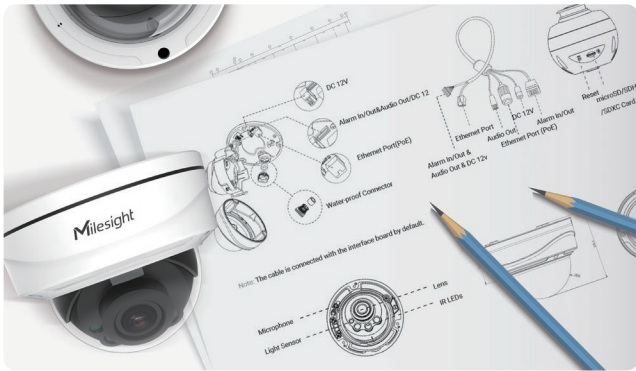
# Unique Aesthetic Product Design



### Distinctive Exterior Design

The sleek and elegant design distinguishes Milesight Cameras.



### Design Language

Milesight cameras' streamlined design form and smooth lines not only enhance its aesthetic appeal but also provide a distinct visual difference that catches the eye.



### Award-winning Design

The Highest-Quality Authenticated: Milesight Indoor Parking Guidance Camera Wins IF Design Award.

# Quality & Reliability

IK10   IP67   -40°C   60°C   6KV   EN50155   ANTI-FOG

**Attention to Detail**
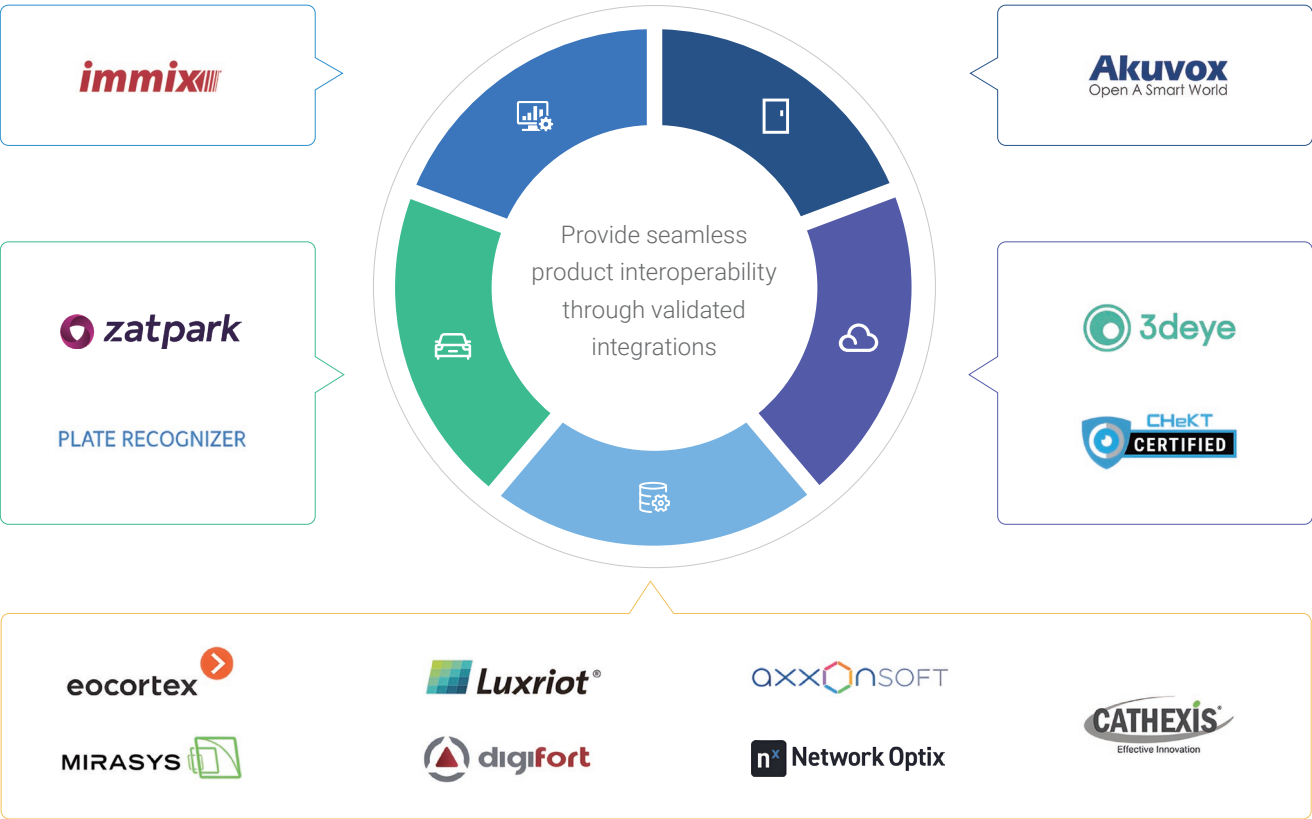
**Premium Texture**

**Hardware and Protective Design**

# Certification

We are certificated with CE, FCC, UL, Verizon, etc., meeting the daunting and demanding requirements of global security industry.

CE   FC   ISO   LVD   UL LISTED   RoHS COMPLIANT   verizon✓

# Ecosystem Management

## ▌ Open Platform & Third-party Algorithm Integration

immix

Akuvox
Open A Smart World

zatpark
PLATE RECOGNIZER

3deye

CHeKT CERTIFIED

Provide seamless product interoperability through validated integrations

eocortex   Luxriot®   axxonsoft   CATHEXIS Effective Innovation

MIRASYS   digifort   Network Optix

# Superior Image Quality

Milesight cameras deliver outstanding performance with advanced features for professional surveillance. They ensure vivid image quality with 140dB WDR, HLC, and BLC, while offering optical zoom from 3X to 42X for detailed capture.

Supporting high frame rates up to 100fps and low-light performance with 0.001Lux sensitivity and Smart IR II Technology, they excel in both day and night environments. With wide-angle viewing (180°/360° panorama) and high resolutions up to 12MP, including 4K, Milesight cameras provide clear, smooth, and expansive coverage.

P-Iris Control | Comprehensive Defogging | Corridor Mode
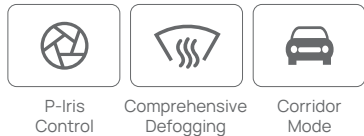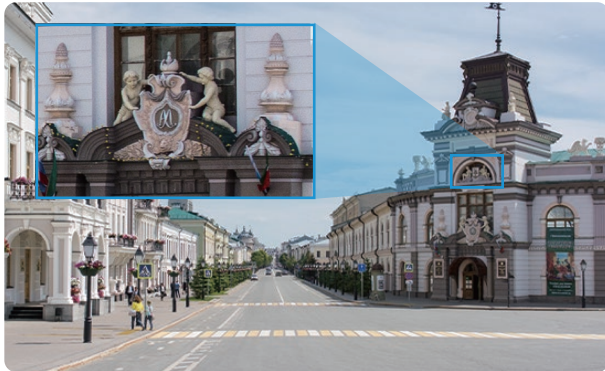
## Vivid Image in Backlight
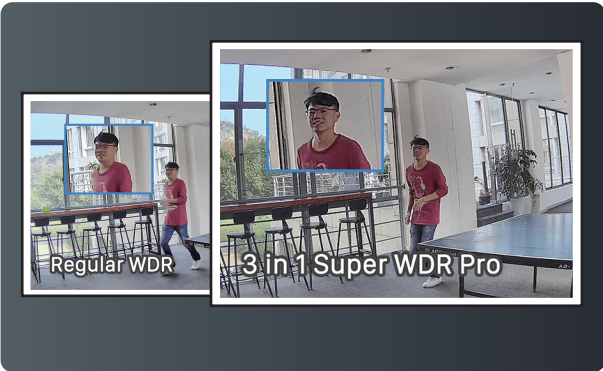


· 140dB WDR
· HLC (Highlight Compensation)
· BLC (Backlight Compensation)
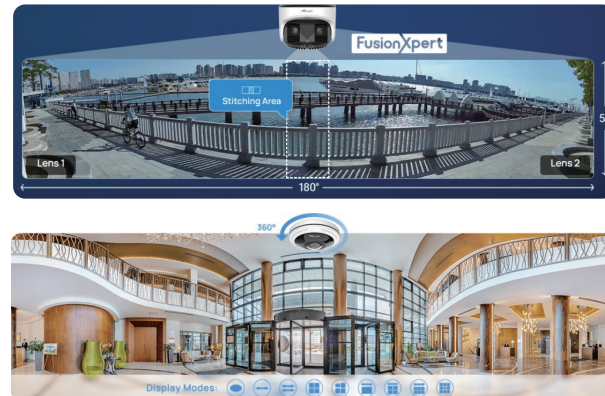
## Low Light Performance



· 0.001Lux Ultra Low-light
· Smart IR II Technology

## Optical Zoom



· 4X/12X/20X
· 23X/30X/36X/42X

## Wide Angle Viewing



· 180°/360° Panorama
· Multi-directional Coverage

## High Frame Rate



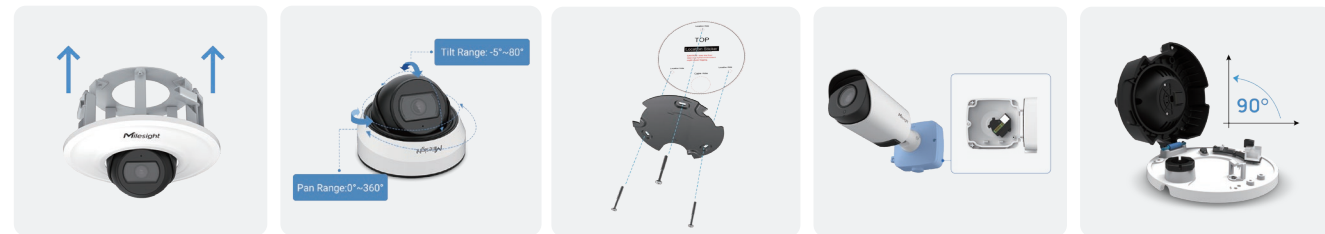· 60fps/90fps/100fps

## High Resolution



· 2MP/5MP/6MP/4K/12MP

# User-Centric Design

Succinct Structure



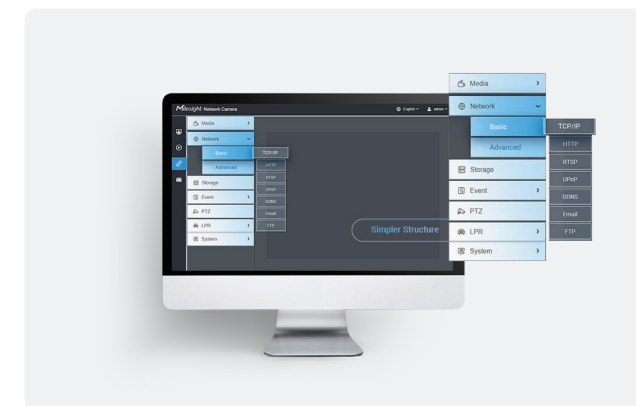## Product Structure Features



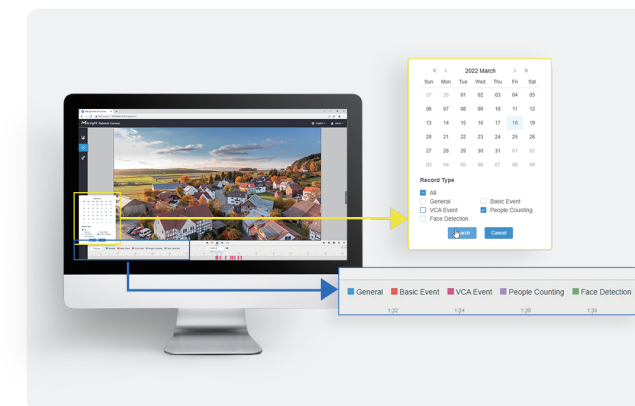Recessed Installation

3-Axis Design

Panel Bracket

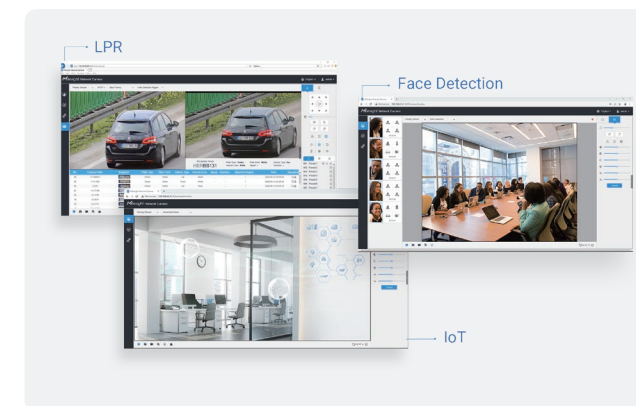Integrated Junction Box

Clamshell Design
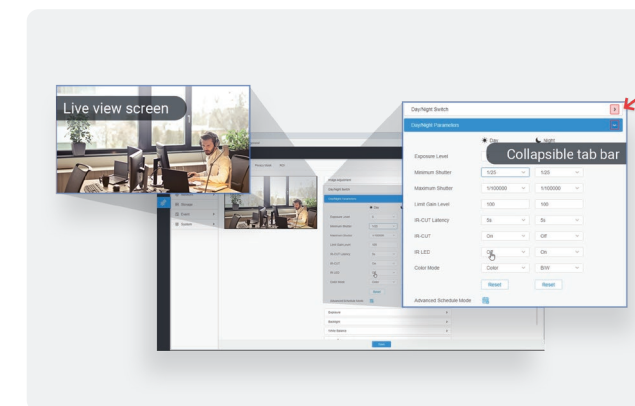
## User-friendly UI Design



Simple Structure for Smooth Video Surveillance
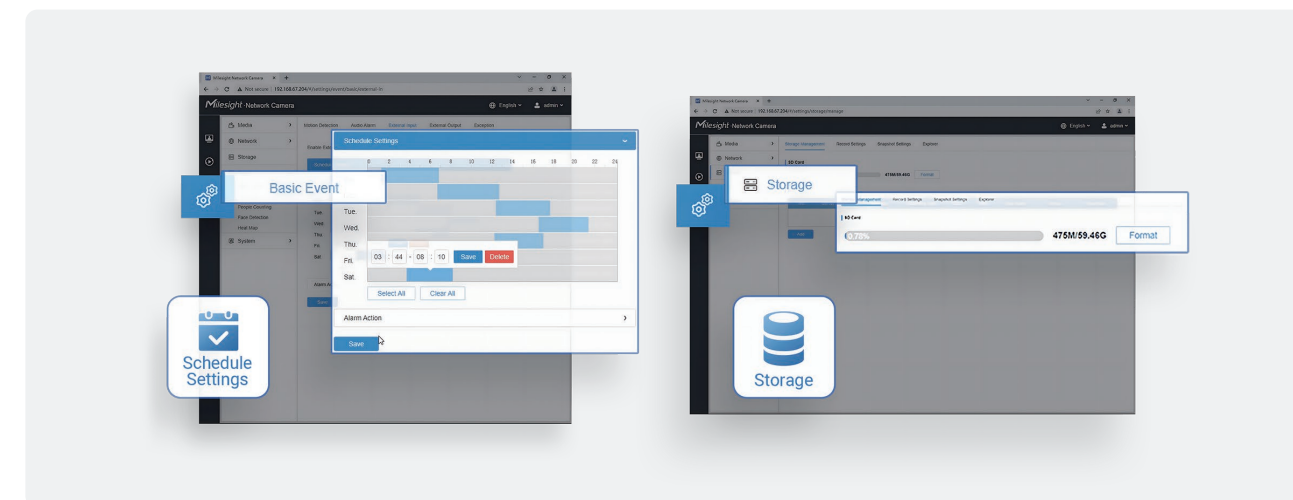
Quick Playback to Focus More on What Matters Most



Professional Mode Interface for Specific Applications

Easy Configuration for Efficient Operations



Better Visualized & Interactive Designs

# Milesight AI Analytics

## AI at the Edge, Intelligence in Every Frame



## What Powers Milesight AI



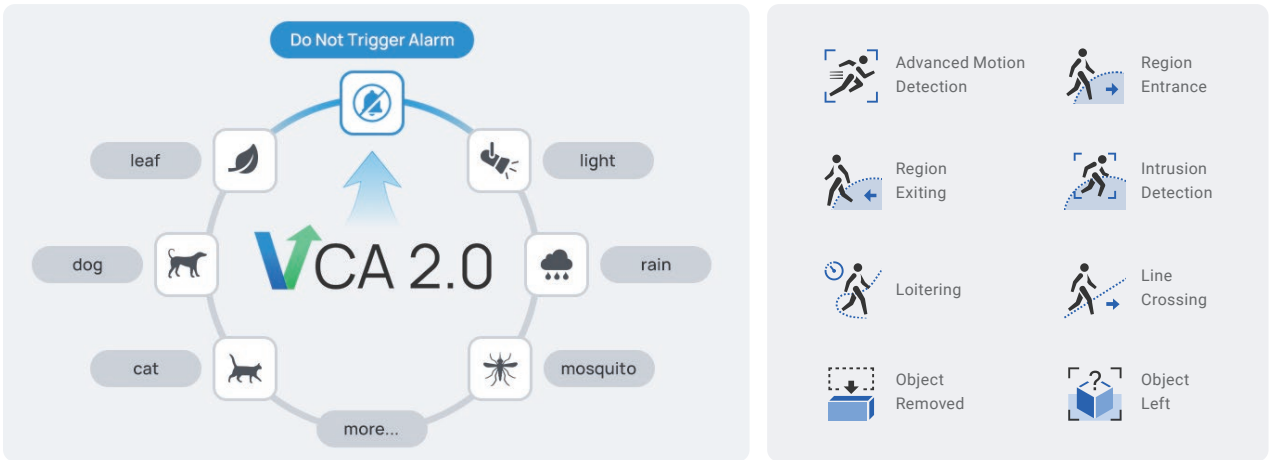**VCA 2.0**
Built for Security Accuracy

**MSense**
Built for Vertical Intelligence

## VCA 2.0

### Upgraded Video Content Analysis Algorithm, Built for Essential Security Tasks

- 8 built-in AI VCA features for instant threat detection
- Accurate recognition of small and multiple targets
- Up to 75m AI detection range (Fix-lens)
- Super Low False Alarm Rate



Do Not Trigger Alarm

leaf · light · dog · VCA 2.0 · rain · cat · mosquito · more...

Advanced Motion Detection · Region Entrance · Region Exiting · Intrusion Detection · Loitering · Line Crossing · Object Removed · Object Left

## MSense

### Unlocks Deeper Insights for Industry-specific Needs

- A wide range of advanced, self-developed algorithms
- Purpose-built for diverse vertical applications
- Delivers actionable insights based on behaviors, counts, and attributes
- Generates metadata to support smart search, reporting, and alert linkage
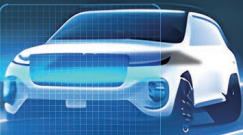
# Milesight PlateXpert Technology

## Precision Redefined Beyond ANPR

PlateXpert

Plate Xpert

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

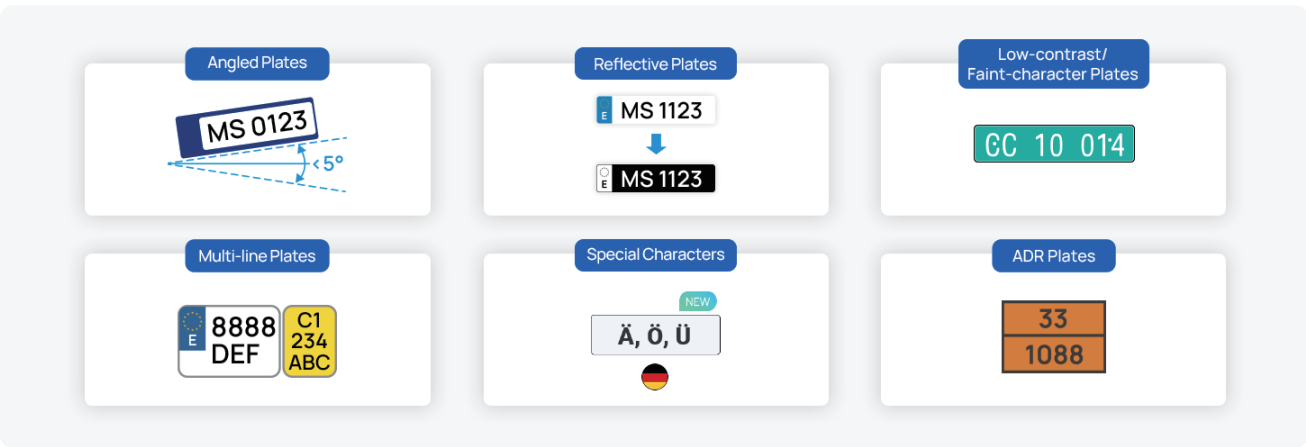MS 1234C

MS 1234C

**≥99%** Capture Rate
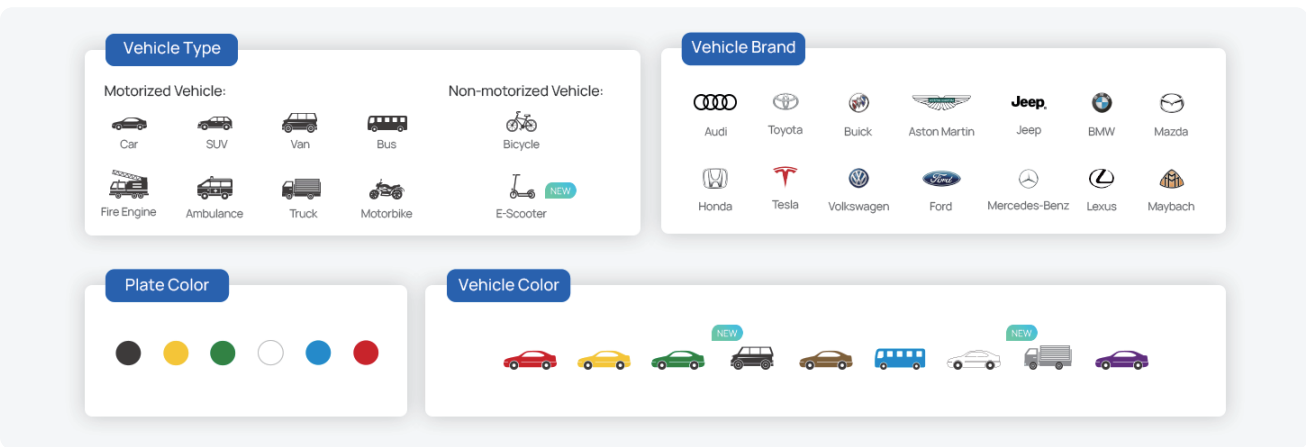
**≥98%** ANPR Accuracy

**50+** Countries Supported

**0.1** Second Recognition Time

## Recognize License Plates of Every Kind

| Angled Plates | Reflective Plates | Low-contrast/ Faint-character Plates |
|---|---|---|
| MS 0123 <5° | MS 1123 → MS 1123 | CC 10 014 |

| Multi-line Plates | Special Characters | ADR Plates |
|---|---|---|
| 8888 DEF C1 234 ABC | Ä, Ö, Ü NEW | 33 1088 |

## Rich Plate Attributes & Vehicle Attributes

**Vehicle Type**

Motorized Vehicle:
Car, SUV, Van, Bus
Fire Engine, Ambulance, Truck, Motorbike

Non-motorized Vehicle:
Bicycle, E-Scooter NEW

**Vehicle Brand**

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

**Plate Color**

**Vehicle Color**

## Core Technologies for Precise Recognition

Frame Parity Flashing

Global Shutter

740nm/850nm Wavelength

Even Frame (short exposure) | Odd Frame (long exposure)

Rolling Shutter | Global Shutter

850nm IR Wavelength | 740nm IR Wavelength

MS 1288B1

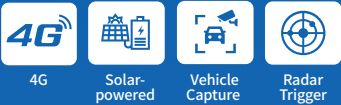# 4G Solar-powered Series

## 4G Solar-powered Traffic Sensing Camera

**4G**
4G

**Solar-powered**

**Vehicle Capture**

**Radar Trigger**

## Unique Structure Design

Differentiated Appearance Design

Adjustable Pole Mount Bracket

4G Module

16mm/6mm Lens

IP66
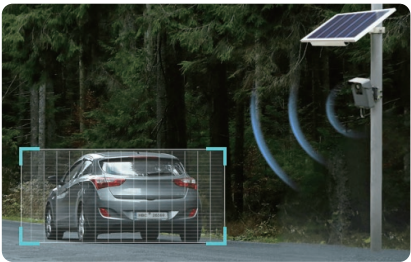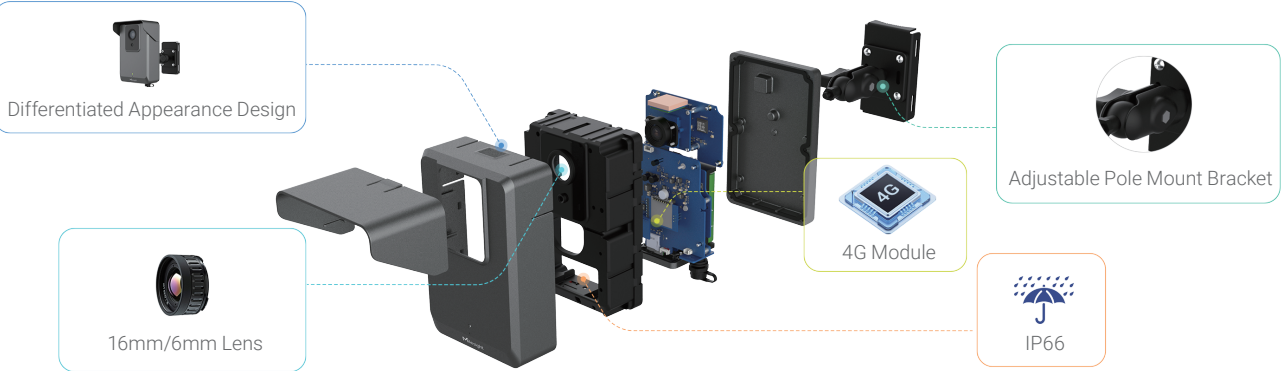
Real-time Vehicle Capture by Radar & AI

Low-power Operation Mode

Working Mode
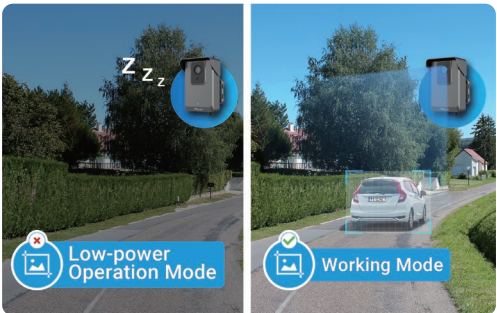
Low-power Mode for Energy Efficiency
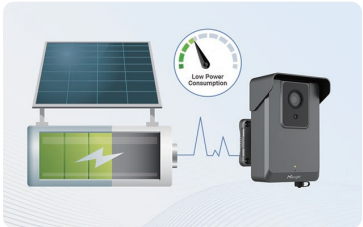
Solar-powered for Constant Use

4G LTE for Wireless Data Transmission

## Key Features

- **4G** LTE for Wireless Data Transmission
- **Solar-powered** for Constant Use
- Battery & Type-C Charging
- **Radar Trigger** Vehicle Capture
- **AI Algorithm** for Precise Snapshot

- Low Consumption Technology
- **Quick Configuration via WiFi Connectivity**
- Built-in High-accuracy **GPS** Module
- High Compatibility with **MQTT & HTTP**
- IP66

## Application Scenarios

Traffic Flow Collection for Further Insights

Entry & Exit Time Capture for Parking Lots

Illegal Parking Capture

# 4G Solar-powered Series

## 4G Solar-powered Camera Kit

| AI | 4G | Solar-powerd | 1TB Storage | Modular Battery | ONVIF | IP67 |

## Key Features



4G + Solar-powered for Remote Surveillance



AI features

Night-time IR

9 Days of Battery Life, Unmatched 24/7



x 365 Days   x1

2 Watts

Save 1 Tree a Year!

Go Green with Ultra-low Power Consumption

| Working Mode | Recording | AI Detection | Data Transmission |
|---|---|---|---|
| Performance | Continuous | On (Full Frame Rate) | On/Off |
| Eco | Continuous | On (Dynamic Frame Rate) | On/Off |
| Sleep | Scheduled Image Capture | Off | Off |

Flexible Working Mode for Your Choice

*Eco mode is not available for ANPR camera.

- Up to 6*90Wh Battery & 2*90W Solar Panel
- Edge-AI LPR Algorithm
- 4G Connectivity
- Built-in High-Accuracy GPS Module

- 4MP/0.005Lux/120dB Super WDR
- 20m IR Distance
- IP67 & Category 12 Typhoon Guaranteed
- Battery Protection in -20°C to +60°C

## 4G Solar-powered Security Camera

- Specialized 2.8mm/6mm Lens
- Identification for Human & Vehicle (Bicycle/Car/Motorcycle/Bus/Truck)
- Intrusion Detection / Line Crossing / Object Left / Advanced Motion Detection
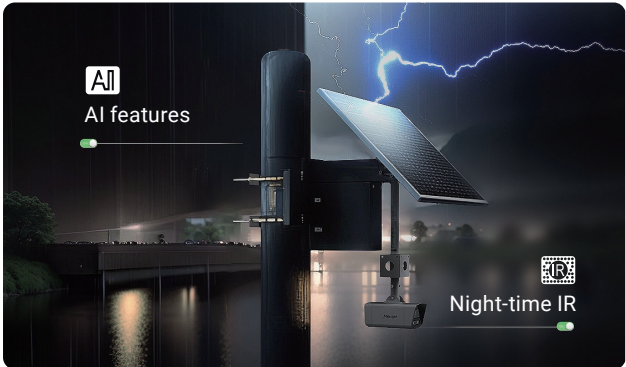
## 4G Solar-powered ANPR Camera

- Specialized 6mm/16mm Lens
- 850nm/740nm IR Wave Length
- Identification for Vehicle Type (Bicycle/Car/Motorcycle/Bus/Truck)
- License Plate Recognition
- List Management/List Event
- No-plate Event

## Application Scenarios



Construction Sites



Illegal Dumping



Community Safety



Remote Security

# Q Series
## See in TrueColor, Stay On-Guard

NDAA | VCA 2.0 | MSense | TrueColor | On-Guard
NDAA | VCA2.0 | MSence | TrueColor | On-Guard

**Milesight AI TrueColor Bullet Network Camera**
4/5/8MP

**Milesight AI TrueColor Dome Network Camera**
4/5/8MP

**Milesight AI TrueColor Turret Network Camera**
4/5/8MP

## Key Highlights of Milesight Q Series

### TrueColor Image
- 4/5/8MP
- Smart Hybrid Light
- F1.0 Large Aperture & 1/1.8'' Big Sensor
- AI ISP
- Super Day-Night Focus Lens

### Built-in Deterrence
- AI-triggered Audio-Visual Alarms
- Red & Blue Flashing Lights
- Built-in Speaker & Dual Mic
- Real-time Alarms to Deter Intrusions

### Smarter AI
- VCA 2.0 with Ultra-low False Alarm Rate
- Up to 75m AI Detection Distance
- MSense: Face Capture & Object Counting & Heat Map

### Easy Deployment
- 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.

### 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.

# AI Mini Series

## Small in Size, Big on Intelligence

| NDAA | AI | VCA | 4K | GMST ONVIF | IP67 | IK10 | H.265+ HEVC | PoE |
|------|-----|-----|-----|------------|------|------|-------------|-----|
| NDAA | AI | VCA | 4K | ONVIF | IP67 | IK10 | H265+ | PoE |

### AI IR Mini Dome Camera
2/4/5/8 MP

### AI Vandal-proof Mini Dome Camera
2/4/5/8 MP

### AI Motorized Dome Camera
2/4/5/8 MP

### AI Weather-proof Mini Dome Camera
2/4/5/8 MP

### AI Vandal-proof Mini Bullet Camera
2/4/5/8 MP

### AI Motorized Bullet Camera
2/5/8 MP

### AI Weather-proof Mini Bullet Camera
2/5/8 MP

## Key Features

- 2MP@90fps, 4MP@30fps, 5MP@30fps, 4K@30fps
- 4K Sony Starvis Sensor
- Smart IR II with 50m IR Distance
- 140dB Super WDR
- IP67 & IK10
- Fixed Lens & Motorized Zoom Lens
- Multiple Interfaces & Built-in Microphone
- P-Iris
- SIP/VoIP

## Unique Structure Design

180m — 147m

90°

Rubber Plug          Rubber Ring

Contact Power Supply          Rubber Plug          Rubber Ring
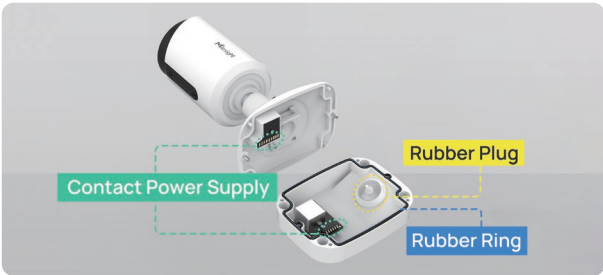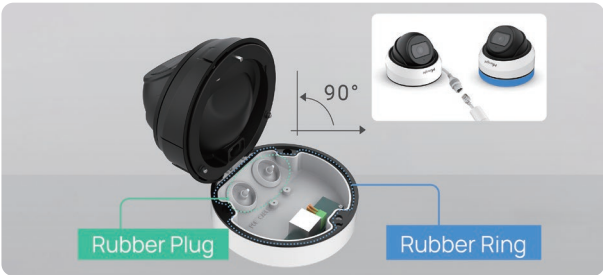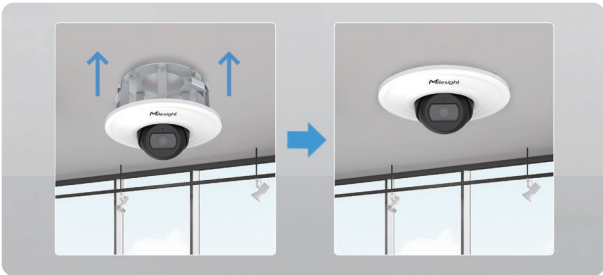
- Recessed Installation
- Ultra Compact Size
- Clamshell Design
- 3-axis Mechanical
- Point-contact Power Supply
- Better Thermal Design

## AI Functions as Standard

| | | | |
|---|---|---|---|
| Advanced Motion Detection | Region Entrance | Region Exiting | Intrusion Detection |
| Loitering | Line Crossing | Object Removed | Object Left |

# AI Pro Series

## From PRO to PROer, Built for Project-Grade Security

| NDAA | AI | VCA | 4K | GMST ONVIF | IP67 | IK10 | PoE |
|------|-----|-----|-----|------|------|------|-----|
| NDAA | AI | VCA | 4K | ONVIF | IP67 | IK10 | PoE |

**PROer**

**AI 4X/12X Pro Bullet Plus Camera**
2/4/5/6/8 MP

**AI Motorized Pro Bullet Plus Camera**
2/4/5/6/8 MP

**AI Motorized Pro Bullet Camera**
2/5/6/8 MP

**AI Motorized Pro Dome Camera**
2/4/5/6/8 MP

**AI Pro Box Plus Camera**
2/4/5/8 MP

## New AI

### VCA 2.0



**VCA 2.0: Ultra-low False Alarm Rate**

Up to 80m AI Detection Distance (Motorized Lens), 170m (AF Lens)
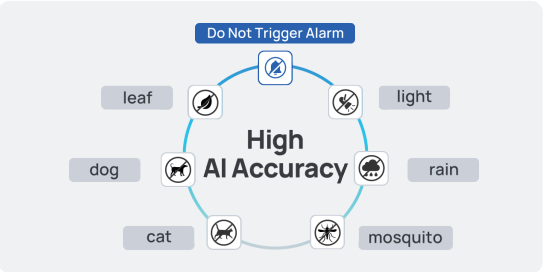
☑ Multiple Targets          ☑ Small Targets
☑ Vehicle Types

### Attribute Extraction



Vehicle
- Bicycle
- Car
- Motorcycle
- Bus
- Truck
- E-scooter

Human
- Hat/No Hat
- Top Color
- Bottom Color

### Behavior Detection



Sound Classification

Fall *Coming Soon

*Coming Soon  Fight

No Hard Hat

## New in Imaging



Day-Night Focus Lens
1/1.8"Big Sensor
AI ISP

Better Night Vision

## New in Usability



Stream 1 / Stream 2 / Stream 3 / Stream 4
Live View / Recording / Remote Access / AI Analytics

Quad Stream Support

Before          Now
2*Alarm In/Out
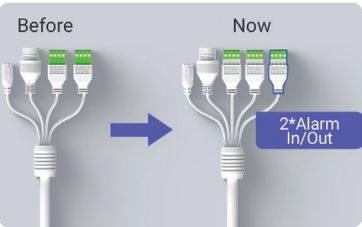
Dual Alarm I/O

# AI PTZ Series

## Intelligent PTZ to Transform Your World

| NDAA | AI | VCA | 4K | GMST OnVIF | IP66 | IK10 | I/O | 42X |
|------|----|----|----|-----------|------|------|-----|-----|
| NDAA | AI | VCA | 4K | ONVIF | IP66 | IK10 | I/O | 42X Zoom |

### AI 12X PTZ Bullet Camera
2/5/8MP

### AI 12X/20X/23X PTZ Bullet Plus Camera
2/4/5/8 MP

### AI 12X/20X/23X PTZ Dome Camera
2/4/5 MP

### AI 25X/30X/36X/42X Speed Dome
2/4/5/8 MP

## Precise PTZ Tasks

- 12X-42X Optical Zoom
- 360° Endless Pan & 90° Tilt
- Pan Speed up to 350°/s
- Tilt Speed up to 360°/s
- Applied TMR technology
- Structural Precision Less than 0.1°
- 300 Presets & 8 Patrol Paths & 4 Patterns

Tilt Range: -45°~30°      Pan Range: 0~360°

## AI Video Analytics

- 8* Standard VCA Events
- Object Counting
- Regional People Counting
- Face Detection
- Hard Hat Detection
- Smoke & Fire Detection
- Attribute Extraction

Human/Vehicle Detection

## Advanced Functions

- PTZ Auto Tracking
- PTZ Privacy Mask
- Intelligent White LED
- 3D Positioning
- Smart Rain-sensing Wiper

## Outstanding Viewing Experience

- 1/1.8" STARVIS Starlight Sensor
- 4K & 100fps
- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 300m IR Distance
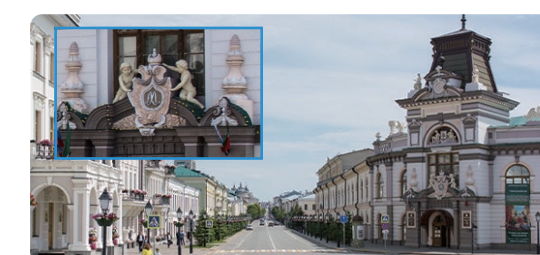
## Superior Structure

- Wall Mount / Pedestal Mount
- Recessed Installation

Wall Mount          Pedestal Mount
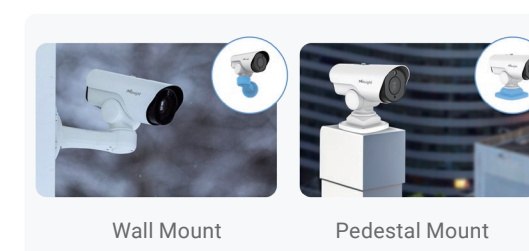
## Versatile Interface

- Audio I/O, Alarm I/O, PoE
- AC/DC 12V, RS 485

PoE
Alarm I/O
Audio I/O
DC 12V

# AI Panoramic Series

## Boudless World, Truly Within Reach

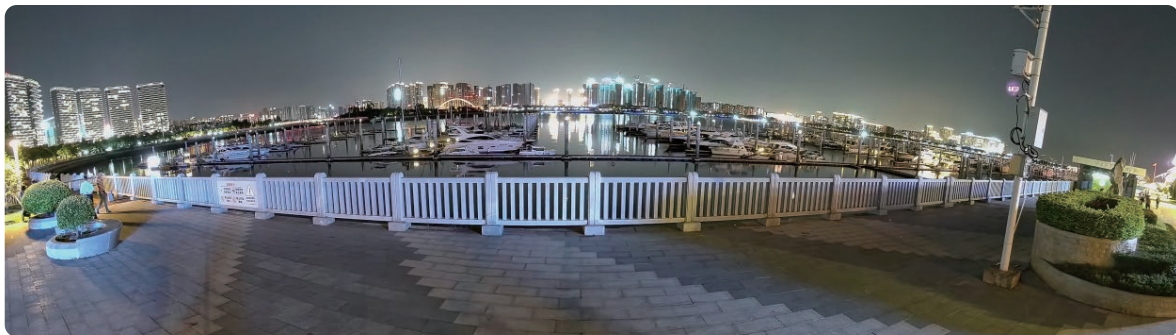| NDAA | AI | 12MP | VCA | GMST Onvif | IP67 | | IR | 1TB |
|------|-----|-----------------|-----|------------|------|---|-----|-------|
| NDAA | AI | 12MP Resolution | VCA | ONVIF | IP67 | IK10 | Smart IR II | 2*1TB |

## Outstanding Viewing Experience

- 180°/360° Panoramic
- FusionXpert Seamless Stitching
- Up to 12MP
- Superior Image Dewarping

- Onboard/Client-side dewarping
- AI ISP for Outstanding Image Quality
- 1/1.8" STARVIS Starlight Sensor
- 140dB Super WDR

## Exquisite Design

- Contact Power Supply Design
- Maximized Installation Flexibility
- Built-in Mic, Alarm I/O, Audio I/O, DC 12V
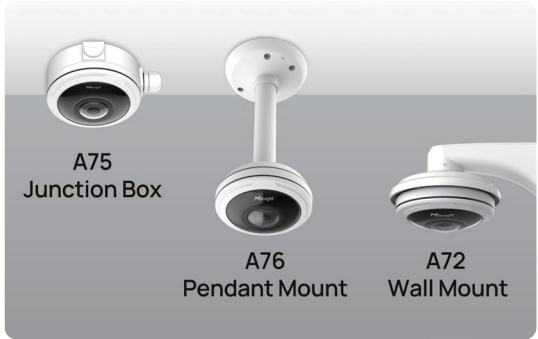
## Intelligent Video Analysis

- 8*AI VCA Events
- E-Scooter Detection
- Advanced Heat Map
- People Flow Analysis
- Object Counting

**180°**
AI TrueColor Dual-sensor
180° Panoramic
Network Camera

**360°**
4x5MP
AI Multi-directional
Camera

**360°**
AI 360°
Panoramic
Fisheye Camera

**180°**
AI 180°
Panoramic Mini
Bullet Camera

**180°**
AI 180°
Panoramic Mini
Dome Camera

A75
Junction Box

A76
Pendant Mount

A72
Wall Mount
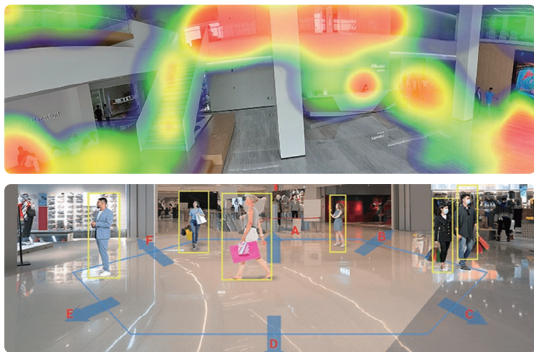
# AI 5G Series
## Empower the Future of Smart Connectivity

NDAA | AI | 4K Resolution | 5G | ONVIF | IP67 | IK10 | IoT | Smart IR II

5G
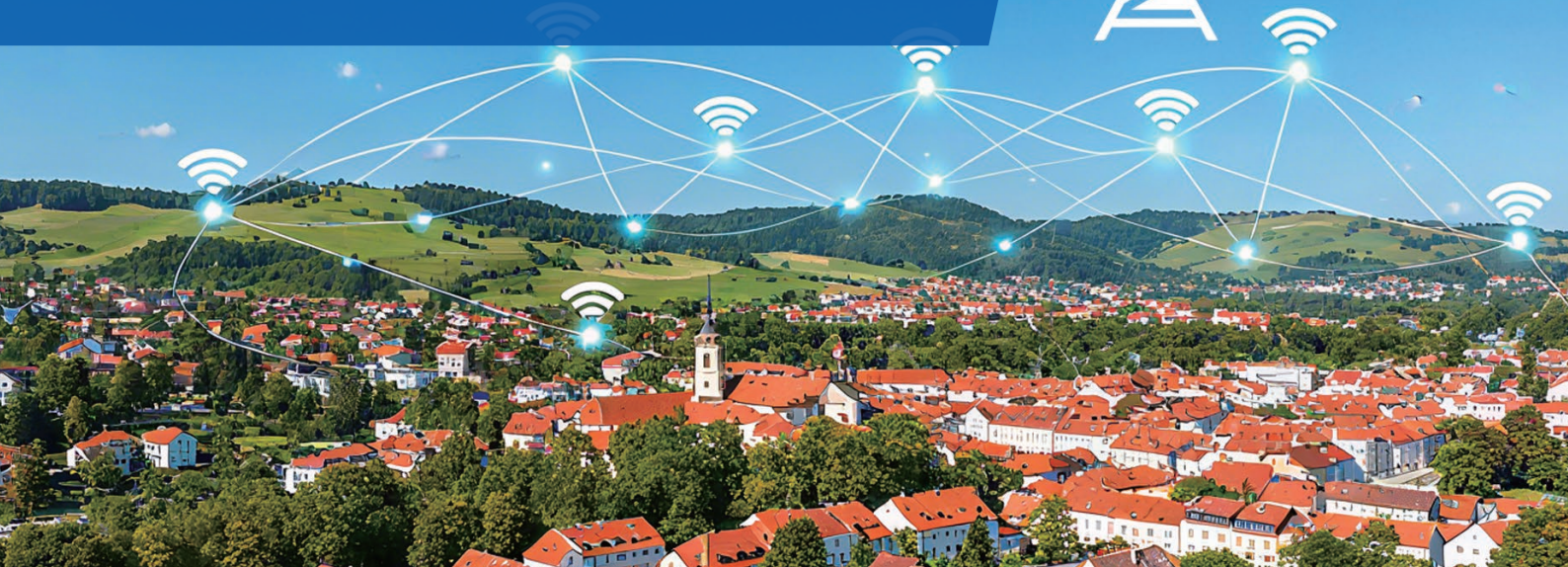
### 5G AIoT 4X/12X
### Pro Bullet Plus Camera
2/8MP

### 5G AI 4X/12X
### Pro Bullet Plus Camera
2/8MP

### 5G AI Motorized
### Pro Bullet Plus Camera
2/5/8MP

## Industry-leading 5G Technology

- High Bandwidth
- Low Latency
- High Mobility
- Broad Extensibility
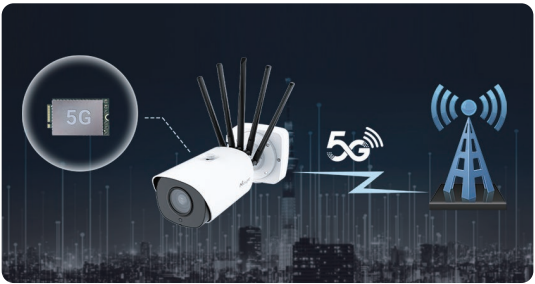
## Cutting-edge IoT Technology

- Support Standard LoRaWAN® Protocol
- 8 End-devices Simultaneously
- Built-in Network Server
- Support MQTT/HTTP/HTTPS API

## Outstanding Viewing Experience

- 4K Video Viewing Experience
- 1/1.8" Starlight Sensor

- 140dB Super WDR
- Up to 180m IR Distance

High beam → 15°
Low beam → 60°
Smart IR II
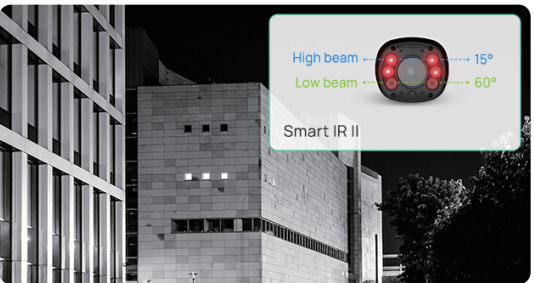
## Easy Deployment & Compact Structure

- Built-in 5G Module
- Built-in IoT Module

- 3-axis Mechanical Design
- Integrated Junction Box

Built-in 5G Module

4X/12X Optical Zoom

4KV

Built-in IoT Module

SIM/SD Card Slot

3-axis Mechanical Design

Integrated Junction Box

Versatile Interfaces
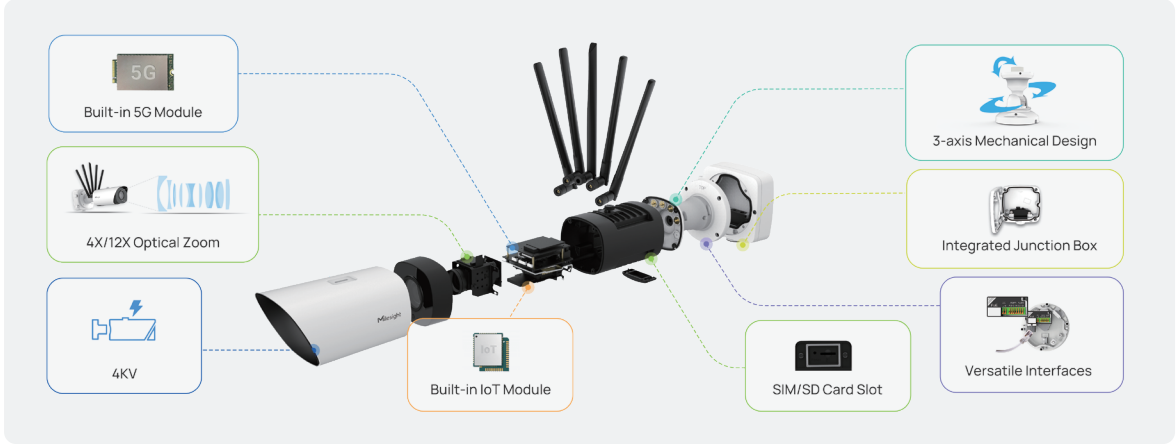
# TrafficX Series

## For More Demanding Traffic Applications

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Dual-lens | AI ISP | LPR | 320km/h | IP67 | GPS | 4G | ONVIF G/S/T | Radar | Global shutter |

261km/h

MS 1234C



## Sharp Capture

- 320km/h ANPR Recognizable Speed
- 99% Capture Rate
- Global Shutter for Fast-moving Capture
- AI ISP for Superior Image



## Precise Recognition

- 98% License Plate Recognition Rate
- Frame Parity Flashing for Precise ANPR
- 740nm/850nm Dual IR Wavelength



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

MS 1234C

## More Highlights

- Up to 320km/h Speed Detection
- AI-powered Onboard ANPR
- 2*5MP Dual Lenses
- Up to 50m ANPR Distance
- 2-3 Lanes Covering
- 1TB SD Card Storage
- Support GPS/4G Module
- TCP/HTTP/MQTT & CGI/API

### DualVision TrafficX Camera
TS5510-GH

### DualVision TrafficX Enforcement Camera
TS5511-GH

### DualVision TrafficX Radar Camera
TS5510-GVH

## ▌ Applications



Multi-lane Free Flow (MLFF)

Red Light Violation Detection

Toll Gate

Low Emission Zone Monitoring

# TrafficC Series

## For Road Traffic Monitoring & Management

| AI | LPR | 3D Radar | 4G | Supplement Light | Defog |
|---|---|---|---|---|---|
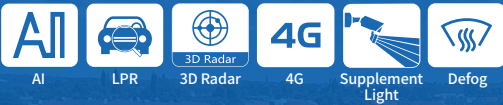
**4G Solar-powered ANPR Camera**

**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 PTZ Bullet Plus Camera**

**AI Road Traffic PTZ Bullet Camera**

**AI Road Traffic Speed Dome Camera**

**AI Road Traffic 5G Pro Bullet Plus Camera**

## ▍ AI LPR & Vehicle Attributes Recognition

### Vehicle Type

Motorized Vehicle:

Car    SUV    Van    Bus

Fire Engine    Ambulance    Truck    Motorbike

Non-motorized Vehicle:

Bicycle

E-Scooter

### Vehicle Brand

Audi    Toyota    Buick    Aston Martin    Mercedes-Benz    BMW    Mazda

Tesla    Honda    Volkswagen    Ford    Jeep    Lexus    Maybach

### Plate Color

### Vehicle Color

### Plate Number

X-123X

### ADR License plate

33
1088
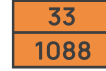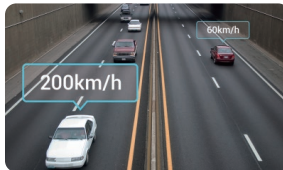
## ▍ Violation Management

Specific Lane Management

Speeding Detection

200km/h
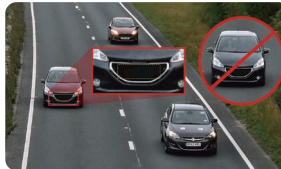
Reverse Driving Detection

No-Plate Detection

Red Light Violation Detection

Reached Trigger Line

On-street Parking Violation Detection

NO PARKING

Traffic Flow Management

## ▍ More Highlights

**2-Lane Coverage**

**Up to 120km/h Vehicle Speed**

**3D Radar Technology**

**Supplement Light for Challenging Lighting**

**LPR Smart Search**

**Wiegand Protocol Supported**

# Parking Management Series

## For Smarter & More Efficient Parking

| AI | LPR | Supplement Light | Wiegand |
|---|---|---|---|

### 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

**ABC1234**
Vehicle Type: Car
Vehicle Color: White
Plate Color: Yellow
Plate: ABC1234
Detection Region: 2

### Entrance & Exit Management

- AI-powered LPR Algorithm
- Black/White List
- No-plate Vehicle Detection
- Wiegand Interface for Access Control
- Integrated Supplement Light
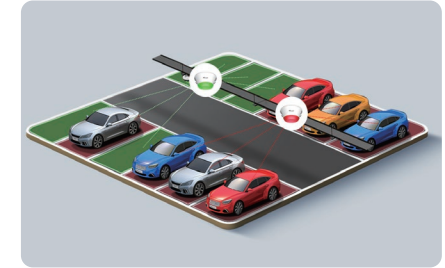
### Indoor Parking Guidance

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

### Video Surveillance

- Image Capturing and Video Recording for Vehicle Security Incidents

### Outdoor Parking Management

- Occupation Detection (Up to 100 Spaces)
- LPR Parking Detection (6 Spaces & License Plate Recognition)
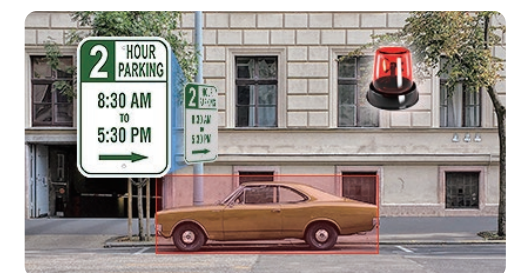
### On-street Parking Management

- Parking Occupancy Detection & Residence Time
- Parking Violation Detection

# Milesight OpenVision Camera

## VMS on Edge, Secure Distributed Sites Without a Server

**Milesight OpenVision Bullet Camera**
5MP

**Milesight OpenVision Dome Camera**
5MP

## ▌ Camera as a server, no NVR and additional server needed

| Features | On-premise VMS Surveillance System | Milesight OpenVision Camera |
|---|---|---|
| Additional Server Requested | Yes, Required | No, embedded into camera |
| Hardware Costs | High | Low |
| Operational Costs | High | Low |
| Storage | Hard Disk | SD Card |
| Full VMS Capability | Yes, complete VMS features | Yes, complete VMS features |
| Recommended Scenario | Large-scale deployments at single locations | Distributed installations with multiple sites |

Nx Server — Media Data — Analytics Data - Event - Object Metadata — Camera Module

Storage Options

Nx Client | Micro SD | NAS | Wasabi Cloud Coming soon

## ▌ Applications

### Built-in Nx Server
A fully functional Nx Witness server embedded in camera

### Direct Edge Recording
1TB — Support local recording with 1TB storage capability

### Built-in Milesight Plugin
Enable advanced AI analytics event and metadata for Milesight cameras

### Secure Data
Data is more secure without streaming video between camera and server

### Seamless Integration with Nx Cloud
Connect directly to Nx Cloud, enables direct communication between camera and client

### Future-ready for Going Beyond
Stay ahead with Nx's latest innovations, including Nx AI Manager and more

# Milesight
# OpenVision Server

## Plug & Play with Built-in Nx Server

n^x Network Optix

Built-in
Nx VMS
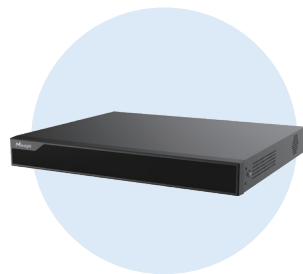
**Milesight OpenVision Server**
Up to 16CH
Up to 20TB Storage

## ▌ What is Milesight OpenVision Server

Milesight Openvision Server is a pre-configured, plug-and-play surveillance platform that comes with Nx VMS Server embedded. Designed for fast and hassle-free deployment, it combines powerful hardware and intelligent video management software in one compact system.
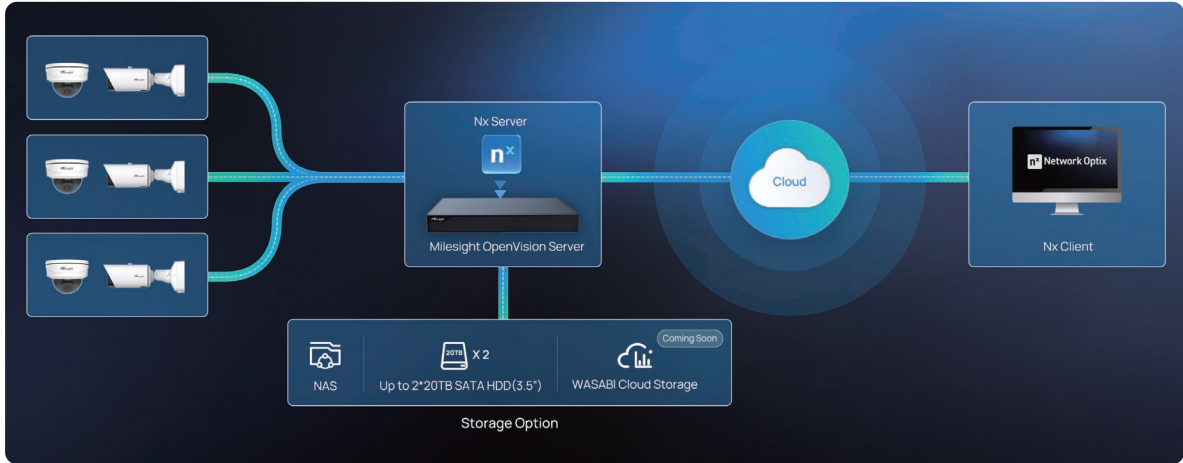


### Pre-installed VMS for Instant Setup

### Linux-based & Stable Operation

### Empower Camera Analytics on Nx with Built-in Plugin

### Secured Data with N+M Failover & Backup Storage

### Cost-Effective & Streamlined Deployment

### Central Management of Distributed Security

# NVR Series

NDAA   VCA   4K   ONVIF   ANPR   H.265⁺ HEVC

NDAA    VCA    4K    ONVIF    ANPR    H265⁺

# PoE NVR Series

NDAA   VCA   4K   ONVIF   ANPR   H.265⁺ HEVC   PoE

NDAA    VCA    4K    ONVIF    ANPR    H265⁺    PoE

### 4K Mini NVR 1000 Series
4/8-CH
10TB Storage
Gold   Silver   Black

### 4K Pro NVR 5000 Series
8/16-CH
2*10TB Storage

### 4K Pro NVR 7000 Series
16/32-CH NVR
4*10TB Storage

### 4K Pro NVR 8000 Series
32/64-CH
8*10TB Storage

### 4K Mini PoE NVR 1000 Series
4 PoE Plug & Play
4/8-CH
10TB Storage
Gold   Silver   Black

### 4K PoE NVR 5000 Series
8/16 PoE Plug & Play
8/16-CH
2*10TB Storage

### 4K PoE NVR 7000 Series
16/24 PoE Plug & Play
16/32-CH
4*10TB

## Key Features

- Up to 8*10TB Storage
- Up to 64-CH Video Input
- Up to 4K Decoding Performance
- Multi-screen Output
- Dual Lan Giga Network Ports
- ANR/Software RAID/N+1 Hot Spare
- Storage Quota
- Dual Stream Recording
- Transcoding
- POS Integration
- Online Upgrade
- Smart People Counting Analytics
- Intelligent Face Detection Management
- Versatile Interfaces

## Key Features

- Up to 24*PoE Plug and Play
- Up to 4*10TB Storage
- Up to 48-CH Video Input
- Up to 4K Decoding Performance
- Multi-screen Output
- ANR/Software RAID/N+1 Hot Spare
- Storage Quota
- Dual Stream Recording
- Transcoding
- POS Integration
- Online Upgrade
- Smart People Counting Analytics
- Intelligent Face Detection Management
- Versatile Interfaces

# Enterprise NVR Series

**NDAA** — NDAA
**RAID** — RAID
**Windows** — Windows

# PoE Switch

**IEEE 802.3 af at** — IEEE 802.3
**NDAA** — NDAA
**Extend Mode** — Extend Mode
**Fiber** — Fiber
**Surge Protection** — Surge Protection

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**Enterprise NVR 1U Series**
8/16CH
Up to 2*20TB

**Enterprise NVR 2U Series**
16/32CH
Up to 6*20TB

**Enterprise NVR 3U Series**
64/128CH
Up to 16*20TB

## Key Features

- **8/16/32/64/128-CH Models Available**
- **Pre-loaded with Milesight VMS Enterprise**
- **Windows System**
- Central Management for Single Site & Multiple Sites
- High Scalability
- AI & IoT Capabilities
- Ready-to-go Design for Easy Installation
- N+M Failover

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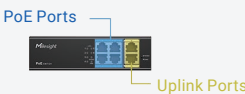
### 4-Port PoE Switch
PoE Ports
Uplink Ports
4*10/100Mbps PoE Ports
+2*100Mbps Uplink Ports
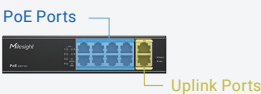
### 8-Port PoE Switch
PoE Ports
Uplink Ports
8*100Mbps PoE Ports
+2*100Mbps Uplink Ports
12*1000Mbps Uplink Ports
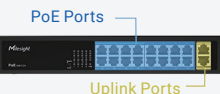
### 16-Port  PoE Switch
PoE Ports
Uplink Ports
16*10/100Mbps PoE Ports
+2*1000Mbps Uplink Ports

### 16-Port SFP PoE Switch
PoE Ports    SFP Ports
Uplink Ports
16*100Mbps PoE Ports
+2*1000Mbps Uplink Ports
+2*1000Mbps SFP Ports
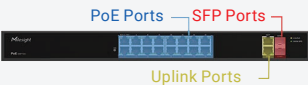
### 24-Port PoE Switch
PoE Ports
Uplink Ports
24*10/100Mbps PoE Ports
+2*1000Mbps Uplink Ports

### 24-Port SFP PoE Switch
PoE Ports    SFP Ports
Uplink Ports
24*100Mbps PoE Ports
+2*1000Mbps Uplink Ports
+2*1000Mbps SFP Ports
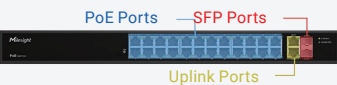
## Key Features

- IEEE 802.3af/at Protocol
- 4KV Surge Protection
- Gigabit Uplink Ports
- SFP Uplink Ports
- 250m Extend Mode
- Up to 400W Power Budget

# Milesight Backend Software Solution

**APP**

### M-Sight Pro APP

• Simultaneously managing Milesight network cameras and NVRs
• Support Milesight cloud management
• Smooth and high quality live streaming
• Support image capture/video recording functions
• File management
• Efficient split playback
• Transcoding to get better playback performance
• Support scanning QR code to get a remote view via P2P
• Support iOS and Android handheld device
• Support alarm video push notification

**TOOLS**

### Milesight Smart Tools

• Unified management for network cameras and NVRs
• Batch settings for Milesight devices
• Online batch upgrade for Milesight devices
• Fast, comprehensive, and powerful calculation
• Efficiently calculation report PDF export

# Accessories Map

**Q SERIES**



AI TrueColor Turret Network Camera
- A72 V2 Wall Mount → A02 V2 Pole Mount
- A71 Wall Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A84 Junction Box
- A76 V2 Pendant Mount

AI TrueColor Bullet Network Camera
- A63 Junction Box
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A03 External Corner Bracket
- A01 V3 Pole Mount

AI TrueColor Dome Network Camera
- A76 V2 Pendant Mount → A42-L Extension Lever
- A75 Junction Box
- A72 V2 Wall Mount
  - A02 V2 Pole Mount
  - A03 External Corner Bracket
- AC-72 Smoked Dome Cover
- A78 Recessed Mount

## MINI SERIES

AI Motorized Dome Network Camera
- A72 V2 Wall Mount
  - A02 V2 Pole Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A71 Wall Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A84 Junction Box
- A76 V2 Pendant Mount

AI Vandal-proof Mini Dome Network Camera
- A73 Adapter Plate
- A71 Wall Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A74 Junction Box

AI Weather-proof Mini Bullet Network Camera
- A63 Junction Box
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A03 External Corner Bracket
- A01 V3 Pole Mount

AI Weather-proof Mini Dome Network Camera
- A81 Recessed Mount
- A71 Wall Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A83 Junction Box

AI IR Mini Dome Network Camera
- A71 Wall Mount
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A82 Recessed Mount

AI Motorized Bullet Network Camera
- A63 Junction Box
  - A03 External Corner Bracket
  - A01 V3 Pole Mount
- A03 External Corner Bracket
- A01 V3 Pole Mount

AI Vandal-proof Mini Bullet Network
- A03 External Corner Bracket
- A01 V3 Pole Mount

## PRO SERIES

- AI Pro Bullet Plus Network Camera
- 5G (AIoT) AI Pro Bullet Plus Network Camera
- AI Radar Pro Bullet Plus Camera
- AI Supplement Light Pro Bullet Plus Camera

A62 Junction Box
- A02 V2 Pole Mount
- A03 External Corner Bracket

AI Motorized Pro Dome Network Camera
- A76 V2 Pendant Mount
  - A42-L Extension Lever
- A75 Junction Box
- A72 V2 Wall Mount
  - A02 V2 Pole Mount
  - A03 External Corner Bracket
- AC-72 Smoked Dome Cover
- A78 Recessed Mount

AI Motorized Pro Bullet Network Camera
- A62 Junction Box
  - A02 V2 Pole Mount
  - A03 External Corner Bracket

## PANORAMIC SERIES

AI Multi-directional Network Camera

A44 V2 Wall Mount
- A02 V2 Pole Mount
- A03 External Corner Bracket
- A43 Junction Box

A79-1 Pendant Mount
- A42-L Extension Lever

AI (TrueColor) Dual-sensor 180° Panoramic Camera

A77 Wall Mount

RECOMMEND
A72 V2 Wall Mount
- A02 V2 Pole Mount
- A03 External Corner Bracket

RECOMMEND
A76 V2 Pendant Mount
- A42-L Extension Lever

AI 360° Panoramic Fisheye Network Camera

A72 V2 Wall Mount
- A02 V2 Pole Mount
- A03 External Corner Bracket

A75 Junction Box

A76 V2 Pendant Mount
- A42-L Extension Lever

AI 180° Panoramic Mini Bullet Network Camera
- A03 External Corner Bracket
- A01 V3 Pole Mount

AI 180° Panoramic Mini Dome Network Camera

A76 V2 Pendant Mount
- A42-L Extension Lever

A72 V2 Wall Mount
- A01 V3 Pole Mount
- A03 External Corner Bracket

A71 Wall Mount
- A01 Pole Mount

## PTZ SERIES

AI PTZ Bullet (Plus) Camera

A62 Junction Box (Only for Wall Mount Version Camera)
- A02 V2 Pole Mount
- A03 External Corner Bracket

A02 V2 Pole Mount

AI Speed Dome Network Camera

A41 Wall Mount
- A02 V2 Pole Mount
- A03 External Corner Bracket
- A43 Junction Box

A42 Pendant Mount
- A42-L Extension Lever

AI PTZ Dome Network Camera

AC-71 Smoked Dome Cover

A78 Recessed Mount

A79 Pendant Mount
- A43 Junction Box
- A02 V2 Pole Mount

A77 Wall Mount
- A42-L Extension Lever
- A03 External Corner Bracket

## INTELLIGENT TRAFFIC SERIES

**TrafficX Camera**

A91 Pedestal Mount

A92 Wall Mount

A02 V2 Pole Mount

A02 V2 Pole Mount

**TrafficX Radar Camera**

A91-N Pedestal Mount

A91-N Pedestal Mount

A92-N Wall Mount

A02 V2 Pole Mount

## SOLAR-POWERED SERIES

4G Solar-powered Traffic Sensing Camera

Solar Panel Modules S45

4G Solar-powered Security (ANPR) Camera

SA02 Wall Mount

SA02 Wall Mount

A02 V2 Pole Mount

4G Solar-powered Security (ANPR) Camera Kit

B90 Modular Battery

S90 Solar Panel

SA03 Expansion Bracket

4G Solar-powered Security (ANPR) Camera Solution

S100B96

S100 Solar Power System
(Mounting bracket included by default)

S100B55

S100 Solar Power System
(Mounting bracket included by default)

SA100

S100 Expansion Module

BJ-N

Solar Power System Bracket