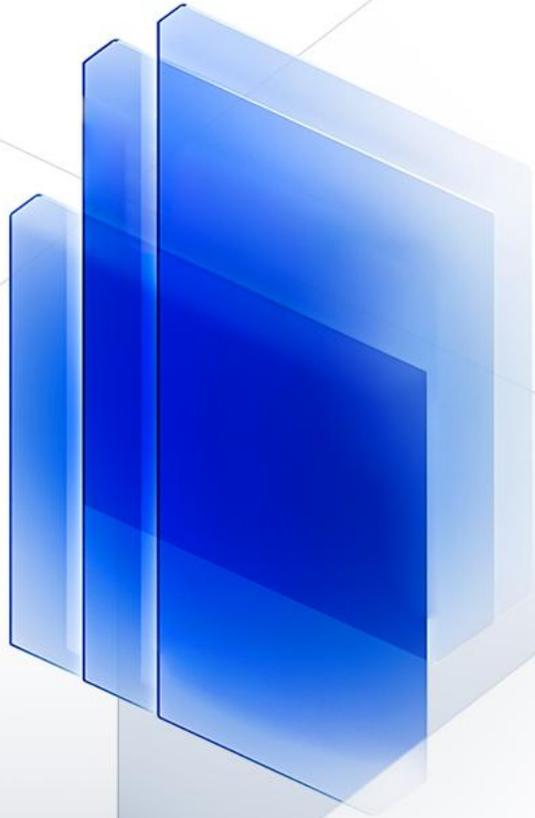


Milesight



Make Sensing Matter

MILESIGHT

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01 Who We Are

02 What We Offer

03 How We Stand Out

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05 What's Next



01 Who We Are

About Milesight



Intelligent Sensing. Global Scale.

Milesight is a leading manufacturer of **multi-potential sensing products**, capturing meaningful data and delivering intelligent solutions to global markets. By integrating **AI, 5G, and IoT**, we empower industries to boost automation, improve efficiency, and make smarter business decisions.

2000+

Distributors and Partners

1000+

Employees

50%+

CAGR from 2013 to 2024

2

Focus on 2 Product Lineups:
Smart IoT and Video Surveillance

Purpose-Driven. Built for Tomorrow.

Our mission is to "**Make Sensing Matter**" – transforming sensing technology into real-world impact. Aligned with the UN Sustainable Development Goals (SDGs), we are building a future where innovation fuels sustainability, resilience, and shared progress.



Competitive Edge



Powerful Partner Ecosystem

Built on open collaboration and deep integration with leading platforms worldwide.



Strong In-House R&D

With 50% of the team in R&D, Milesight moves fast – owning every step from concept to product.



Localized Expertise

Active in 120+ countries & regions, backed by strong logistics, local support, and trusted partnerships.



Customer-Centric Innovation

We listen, adapt, and upgrade – delivering smarter, sharper solutions built around real-world needs.



Built to Lead. Structured to Scale.

02 What We Offer

Milesight Product Portfolio



Where Innovation Becomes Action.

Video Surveillance

A full-spectrum AI camera lineup — from compact to professional — built for diverse scenarios, powered by Edge AI analytics and exceptional image quality.



OpenVision Series

A serverless camera series with VMS-on-edge and seamless integration into leading video platforms — no external server needed.

4G Solar-powered

Truly off-grid surveillance with all-in-one kit — no power, no network, no problem.



Intelligent Traffic

Empowering intelligent mobility — with advanced solutions for Road Traffic and Parking Management across every environment.



Channel Partner Program

Your Success, Our Commitment: Stronger Together



Partner-Focused Business Model

- Enhanced Margin Opportunities
- Competitive Pricing System
- Territory Protection & Sales Channel Protection
- Access to Not for Resale (NFR) Demo Equipment
- Project Registration Program



Go-to-Market Acceleration

- Onsite/Online Training
- Co-Marketing Programs
 - Joint Advertising & Co-webinars
 - Marketing Collaterals
 - Exhibitions, Roadshows, Counter Days, Sponsorship



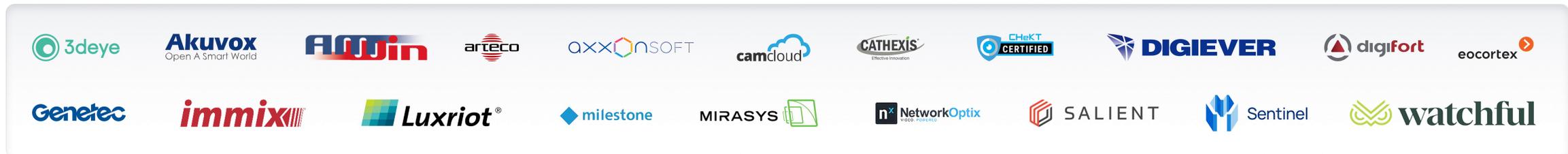
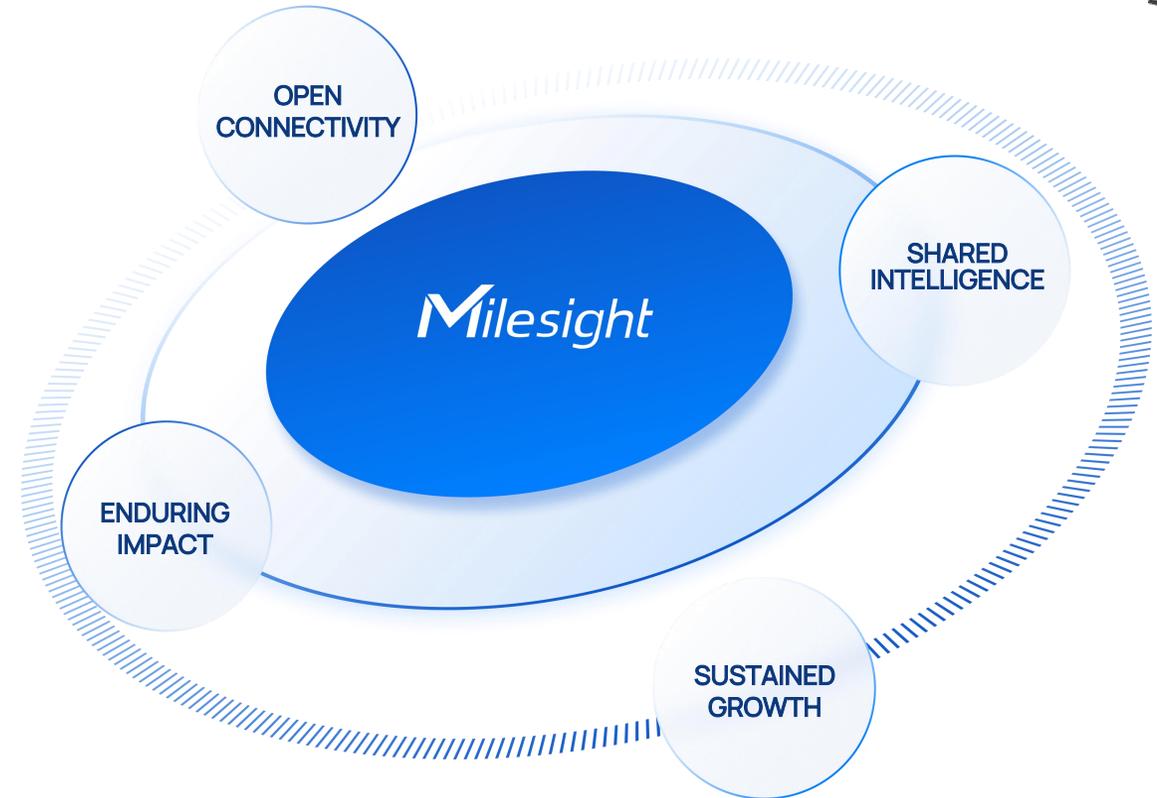
Always-On Support

- Pre-sales and Post-sales Support
- Remote & Onsite Technical Assistance
- Dedicated Team

Ecosystem

Open, Scalable, and Built for Deep Strategic Partnerships

Milesight is committed to collaborating with a diverse range of partners to expand our partnership network. This initiative empowers our customers to maximize product value and enhance solution scalability.



Technology Partner Program

Open Platforms. Smarter Solutions.

We actively seek strategic partnerships with leading platforms to go beyond basic integration. By ensuring deep interoperability, we co-develop smarter, more competitive solutions that truly meet customer needs.

Seamless Integration



Pre-validated compatibility and API access enable faster deployment & go-to-market.

Amplified Visibility



Boost exposure via joint campaigns and global marketing efforts.

Stronger Differentiation



Leverage advanced front-end AI + platform synergy to stand out.

Expanded Customer Reach



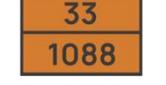
Unlock new opportunities through strategic alignment and added customer value.

03 How We Stand Out

Built-In Brilliance: AI That Performs



Milesight PlateXpert Technology

Precise Algorithms 	
Vehicle Type	   ...
Vehicle Make	    ...
Vehicle Color	
Plate Color	
Plate Type	<div data-bbox="484 971 675 1113"><p>Multi-line Plates</p></div> <div data-bbox="687 971 879 1113"><p>Special Characters</p></div> <div data-bbox="891 971 1082 1113"><p>ADR Plates</p></div>
 High Speed Capture: Up to 320 km/h	



99% Capture Rate



98% ANPR Accuracy



Up to 32 Tracking Targets



Up to 120m ANPR Distance



Multi-lane Recognition



Bi-directional Recognition

Superior Adaptability



Over 50+ Countries LPR Algorithm Supported

Built-In Brilliance: AI That Performs

Precision Redefined: From VCA 2.0 to MSense

VCA 2.0	MSense												
	Attribute Recognition <table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>												
AI Recognition Up to 75m	Trend Analytics People Counting Vehicle Counting Heat Map	Behavior Analytics PPE Detection Fall Detection Violence Detection	Sound Classification Gun Shot Glass Break Screaming										

Built-In Brilliance: Imaging Intelligence

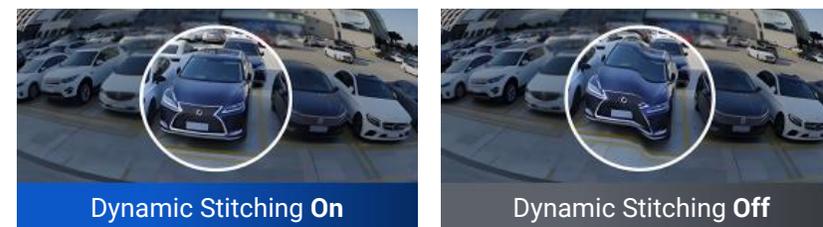
Engineered to capture every detail, in any light

FusionXpert Technology

Real-time dual-lens image **stitching** without compromise



Dynamic Splicing Distance



TrueColor Technology

- 0.0005Lux@F1.0 for ultra low-light clarity
- Smart Hybrid Light for active deterrence



740nm/850nm IR Wavelength

- Optimized for accurate recognition across different license plate materials and reflectivity



Frame Parity Flashing

- Capture multiple images and automatically select the clearest one for ANPR processing



The Milesight Value-Add Journey

- Real-World Needs. Real-Time Response.
- Foresight First. Innovation Ahead.

Future-ready Solutions

Turning insights into differentiated products

Agile Customization

Adapting rapidly through product innovation or strategic partnerships

Tailored Solutions

Delivering competitive solutions aligned with customer needs

Opportunity Sensing

Spotting pain points and unmet needs across verticals

Market Insight

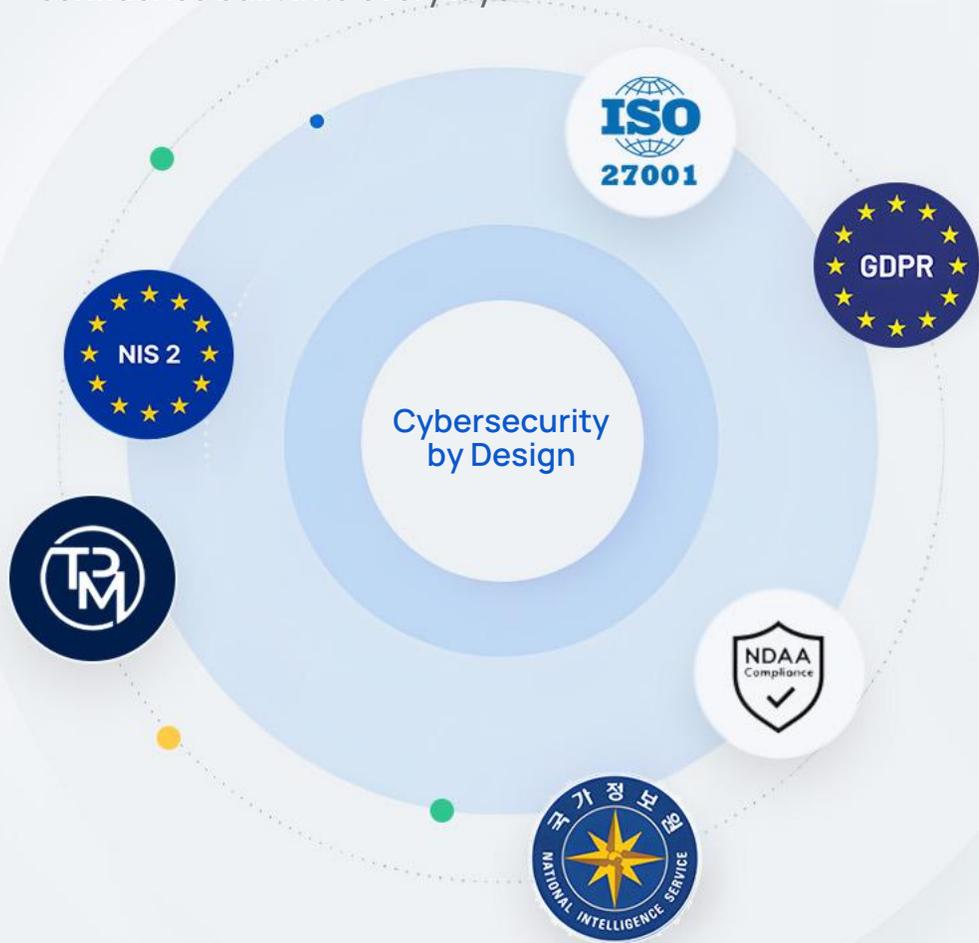
Ongoing research shapes our product strategy

Customer Discovery

Listening closely to uncover real challenges

Trusted by Standards. Secured by Design.

Certified globally, engineered for cybersecurity
– confidence built into every layer.



Milesight



Beyond Surveillance: Redefining Possibilities

At Milesight, we're not just advancing video surveillance – we're reimagining what it can do. Through continuous innovation, we bring differentiated technologies and forward-thinking applications that break away from traditional CCTV boundaries.



04 Where We Excel



Gas Station



Education



Government



Airport



Tourism

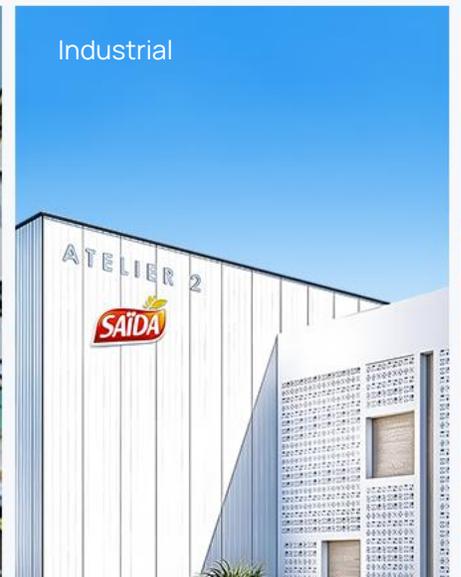


Commercial

Proven Across Industries



Health Care



Industrial



Hotel



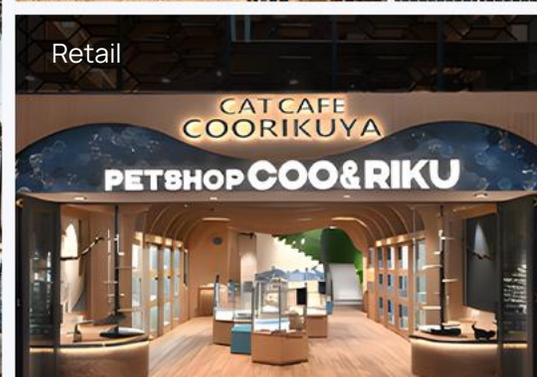
Energy



Banking



Railway



Retail



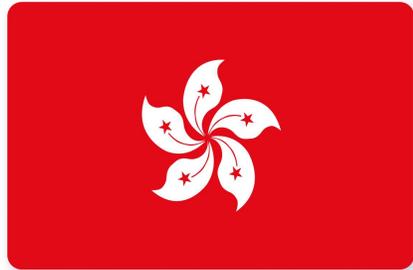
Residential



Entertainment

Successful Story

Off-Grid Smart Parking Solution



Overview:

Needed a 24/7 smart parking system for **entry/exit billing** and **illegal curbside parking control**.

8 units of **Milesight 4G Solar-powered Camera Kit** deployed in Hong Kong public housing estates.

Solution Highlights:

No power, no internet, no problem: Solar-powered design and 4G connectivity delivered 24/7 monitoring in infrastructure-limited areas.

Edge AI Intelligence: On-device processing enabled long-range detection, faster response, and flexible customization.

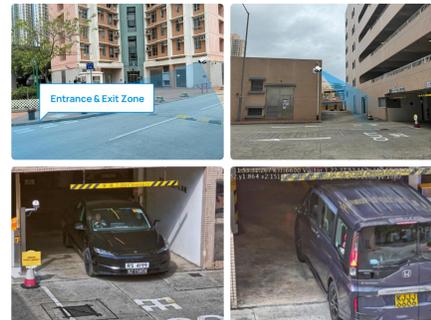


Solution 1: Entry & Exit LPR Management

Smart Billing & Flow Tracking: Enabled zone-based billing and vehicle coordination across multiple entry/exit points.

Tailored OCR Model: Locally trained algorithms ensured >98% accuracy of Hong Kong's complex licence plates (custom, double-layer, front white/yellow formats).

Reduced False Positives: Intelligently filtered out cross-border & Macau plates and ensured reliable enforcement and billing.



Solution 2: Illegal Parking Detection

Automated Violation Monitoring: Detected illegal parking in restricted zones using occupancy detection with built-in timing logic.

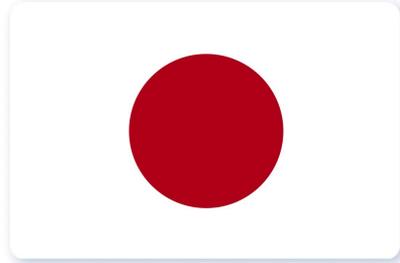
Real-time Notifications & Evidence Capture: Triggered alerts and transmitted visual evidence to backend platform via HTTP.

Reduced Manual Workload: Enabled hands-off enforcement, minimizing the need for constant on-site patrolling.



Successful Story

Beyond Surveillance: Driving Sales with Smart Insights



Overview:

Customer: [Coo & Riku](#), Japan's largest pet store chain.

Challenge: Outdated AHD camera system with frequent breakdowns, high maintenance costs, and no visibility into in-store consumer behavior.



Solution

290 Milesight Cameras deployed:

- 70+ AI 180° Panoramic Mini Bullet Network Cameras
- 90+ AI 360° Fisheye Network Cameras
- 130+ AI Vandal-proof Mini Dome Network Cameras

Wide Coverage: Panoramic views for comprehensive store monitoring with minimal blind spots.

Smart Heatmap: Visualized high-traffic zones to refine product placement and promotion strategy.

People Counting Analytics: Identified foot traffic patterns to optimize staffing during peak hours and enhance service.

Centralized Retail Management: Unified remote monitoring across all stores to streamline maintenance and boost operational efficiency.



Outcomes



10% sales growth through heatmap-driven layout optimization



15% increase in customer satisfaction via smarter staff allocation



Full cost recovery achieved in just 6 months



24/7 stable and reliable system with edge AI analytics powering business intelligence

Successful Story

Smarter Roads, Smoother ETC



Overview:

PT Jasa Marga Tbk, managing 73% of Indonesia's toll road network.

Challenges:

- Needed precise LPR algorithm to prevent RFID card misuse.
- Required durable, high-performance cameras to handle high-speed traffic, variable lighting conditions, and harsh weather.



Entrance & Exit Supplement Light LPR Camera



AI Road Traffic Radar Pro Bullet Plus Camera



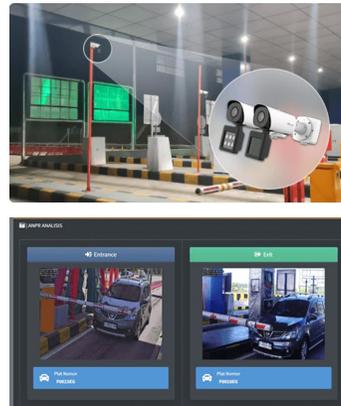
AI Road Traffic Speed Dome

Solution

300+ Milesight AI-powered LPR Cameras deployed

ETC Access Control

- **>98% LPR Accuracy:** AI-powered algorithm ensured precise multi-attribute matching to prevent RFID misuse.
- **Smart Search & Enforcement:** Partial attribute-based search (plate, brand, direction) enabled fast forensic review and event export.
- **Evidence Collection:** LPR cameras triggered regular cameras to capture key snapshots (driver face/cargo), delivering complete, time-synced visual evidence.



Highway Road Traffic Surveillance

- **Long-Range Detection:** Up to 42X optical zoom & 90fps enabled detailed capture of fast-moving vehicles.
- **Edge LPR Analytics:** On-device AI filtered out irrelevant objects to reduce false positives and enhance recognition accuracy.
- **Traffic Flow Statistics:** Real-time vehicle counting & attribute classification supported traffic planning and congestion management.



Successful Story

Optimized Parking Management for Logistics Operations



Overview:

- A large logistics hub in Spain required traceability of trucks involved in loading/unloading operations.
- Needed to eliminate false plate captures from background traffic and distant vehicles in a complex, open logistics zone.



Entrance & Exit AI LPR Pro Dome Camera

Solution

20+ Entrance & Exit AI LPR Pro Dome Cameras were deployed

Customized LPR Algorithm:

- PlateXpert technology enabled intelligent [plate size-based filtering](#), excluding distant or irrelevant vehicles.

Smart Detection Rules:

- Triggered only for stationary or slow-moving vehicles within the loading zone for precise recognition.



Successful Story

Securing Government Facilities with Confidence



Overview:

- The National Assembly of Cambodia – a key government institution requiring robust security.
- **Challenge:** Needed a scalable, AI-powered solution to secure sensitive government areas and integrate with existing VMS.



AI Dual-sensor
180° Panoramic
Network Camera



AI Motorized Pro
Bullet Plus
Network Camera



AI 42X Speed
Dome Network
Camera



AI 12X PTZ Bullet
Network Camera

Solution

Deployed a mix of **professional-grade** models, including:

- AI Dual-sensor 180° Panoramic Network Camera
- AI Motorized Pro Bullet Plus Network Camera
- AI 42X Speed Dome Network Camera
- AI 12X PTZ Bullet Network Camera

Solution Highlights

- **Superior Image Quality:** Dual-sensor panoramic cameras delivered seamlessly stitched, distortion-free images with wide-area coverage.



- **Perimeter Protection:** PTZ and Speed Dome cameras secured gates and outdoor zones with auto-tracking and long-range AI detection.
- **Seamless VMS integration:** Enabled smart search, visual bookmarks, and fast playback via deep Network Optix compatibility.

- **Intelligent Video Analytics:** Captured sharp facial and vehicle details for instant identification and tracking.



05 What's Next

AI

Proprietary AI capability

100% self-developed framework driving rapid evolution and greater adaptability



Open Platform

Standardized development hub empowering seamless integration and ecosystem building

AIoT

Multi-potential Sensing

Transforming edge data into meaningful, actionable intelligence



Vertical applications

Delivering industry-specific intelligence engineered for real-world impact

THANK YOU



 <https://www.milesight.com/security/>

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