



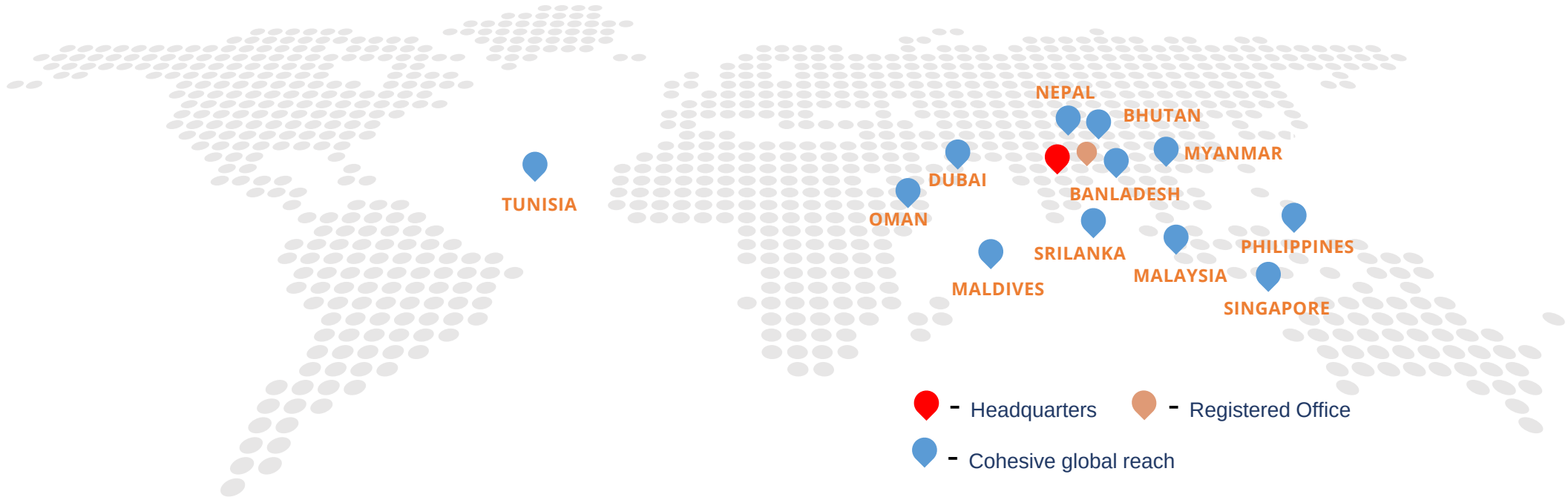
Empowering Communication

The VoIP Enabler!



Cohesive Technologies Pvt. Ltd

About Cohesive Technologies



100+	20+	35%	20%	Award	0.1%
100+ Employees	20+ PAN India and regions covered	Compound Annual Growth Rate reaches 35% from 2013 to 2020	20% of office staff are working in R & D center		Less than 0.1% defect rate

Segment We Cater & Technology Partners



Enterprise	Education	Healthcare	Residential	Automobile	Telecom	Financial



Product Portfolio



IP Voice Telephony & IP Hotel Phones

- 2 - 6 SIP accounts
- Common-area phones
- color screen, HD audio
- Noise-shield technology
- Enterprise-grade security
- WiFi Cordless IP Phone
- Bluetooth, wifi, BLF Keys



IP Video Telephony

- 16 SIP ac, Video Calling
- Instant Messaging
- Bring Your Own Device (BYOD)
- Security and On-Premise Access
- Employee Access
- Huddle Rooms



Answering Units

- Luxury design with top materials
- Smartphone as answering unit
- Home automation integration
- HD quality sound with ambient noise suppression



SIP Door Intercom

- Intercom is a first access control device you will get in touch before you enter a building
- It has to look very luxury in villas or MDUs
- HD audio & video quality



Unified Communications

- Upto 5000 Extension
- Redundancy, voicemail, Recording
- call center features
- Integrated with 3 party products
- Linkus App, Auto Dialer
- Automatic Call Distribution



Smart Home Automation

- Smarter Home,
- Sweeter Life,
- Zigbee Hub. Intercom. Smart Home Control Panel in One



Gateways & ATAs

- E1/T1/J1 Ports
- FXS & FXO Ports
- Voice Conferencing
- concurrent calls
- Nat Traversal



IP Access Control & SW

- Slimline design
- Fastest mobile access
- Bluetooth, IP55 and IK07
- Controller and reader in one
- Encrypted two-way communication
- Perfect for the office or outdoor



Audio/Video Conferencing

- Runs on Android 9.0 operating system
- Support for up to 300 participants and 120 video feeds per session; up to 10 simultaneous sessions
- video and audio recording
- 1080p Full-HD video
- Bluetooth, WiFi support
- Built-in Mic/Speaker
- PAN, TILT, ZOOM - camera
- IPVideoTalk Meetings Platform

Product Portfolio continue...



IP & Analog Industrial Phone

- Hazardous & Non Hazardous
- Water Tight, Weather/Water Resistant Phones
- Food Industry Industrial Telephone
- Correctional Institute Industrial Telephone



Elevator Management

- Convenient for the residents to get in and out without cards to avoid residents



Wireless Access Points & Routers

- OFDMA technology
- Range upto 300 meters
- IP66-level weatherproof capability
- GWN Cloud, GWN Manager, Embedded Controller



SIP Surveillance

- Introduced H.265+ & Starlight & WDR
- Debut of the unrivaled Mini PTZ Bullet Camera
- New technologies: Auto Tracking, Advanced Heat Map and High-quality Deblur...
- Release AI ANPR solution & Pro Bullet Plus (with 3D Radar Module)
- Launch enterprise VMS



Call center solutions

- Inbound/Outbound calls
- Contact center on cloud
- IVR, Auto dialer, Automatic Call Distributor
- Hosted Call Center



Personal Collaboration Devices

- RJ9, USB & Wireless Headset
- USB Webcam supports 1080p Full HD video
- Designed for remote workers, contact centers and other busy environments.
- Comfortable, cost effective, durable headset for Soho, VoIP, IP-phone
- Light weight design, practical IP telephony sound quality



Networking Switches

- GREEN Networking, smart LCD
- Port VLAN, Watch Dog
- IP65, support 30-60W each port
- Redundant Power
- Industrial switches (-40°C ~ 80°C)
- Solar UPS/ outdoor Weather-Proof Switches
- 250 m CCTV Long-Range switches

SIP Public Address System

- SIP/Multicast/Informacast/Syn-App
- Serverless IP paging solution
- Communication with SIP devices
- Integration with VMS via ONVIF
- Loudest Sound in the market





2024

NETWORK VIDEO SURVEILLANCE SOLUTION

Product Lineup Introduction 2024

Better Inside, More in Sight

CONTENTS

- 01 ▶ **Milesight Profile**
- 02 ▶ **Network Camera**
- 03 ▶ **Network Video Recorder**
- 04 ▶ **Video Management Software**
- 05 ▶ **Milesight Solutions**

CONTENTS

01

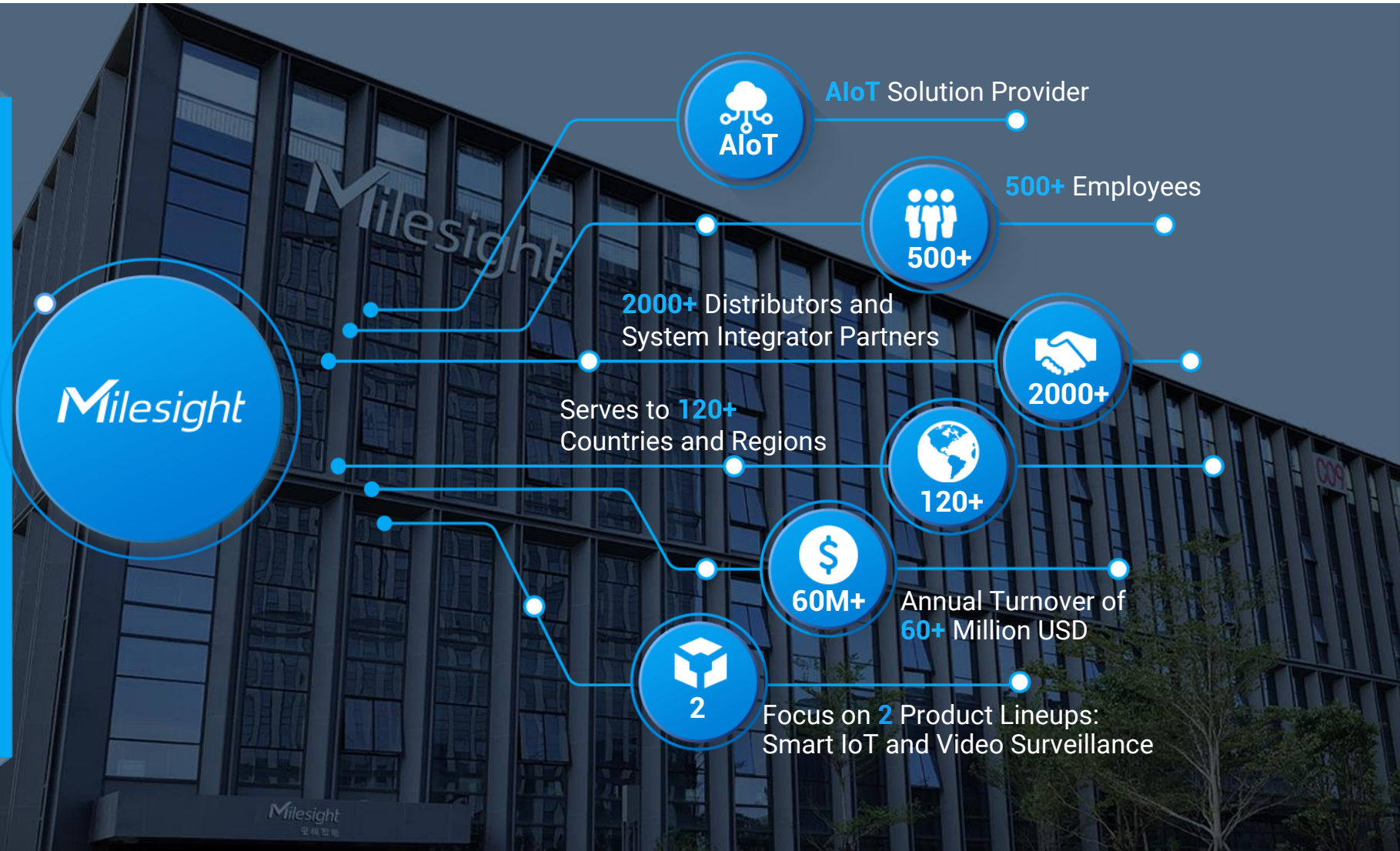
► **Milesight Profile**

- About Milesight
- Product Innovation Time Line

About Milesight



Milesight is a fast-growing high-tech company delivering smart IoT and video surveillance products with a focus on IoT technologies, including Artificial Intelligence, 5G and LoRaWAN®, since 2011. With improved sensing capability and advanced IoT insights, we help customers worldwide optimize their business operation in a more efficient and sustainable way.



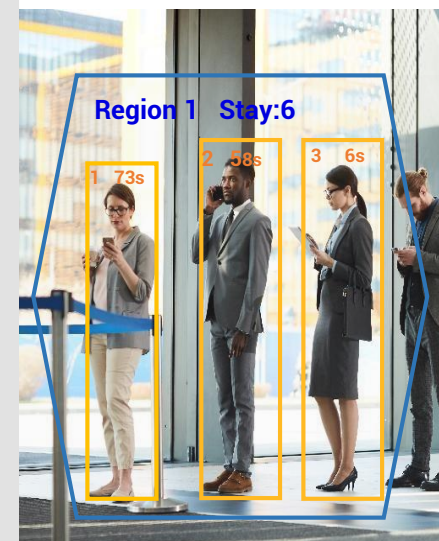
Milesight is pleased to affirm that our -PA/PD series product portfolio is NDAA (National Defense Authorization Act) compliant. These products do not use or deploy critical components including SoCs produced by NDAA banned component vendors.

Welcome to AI Era !

NDAA



- AI Engine Powered
- Human and Vehicle Detection
 - Regional People Counting
 - AI Video Analysis
- 90fps@2MP, 30fps@5MP, 30fps@4K
- Coverage of Full Product Lineup



Milesight Product Lineup

Professional AIoT Surveillance Solution Provider



◆ Network Camera



Mini Series



2/5/8MP AI
Vandal-proof Mini Dome



5/8MP AI
Motorized Dome



5MP
Weather-proof Mini Bullet



2/5/8MP AI
Vandal-proof Mini Bullet



5/8MP AI
Motorized Bullet

Pro Series



5MP AI
Motorized Pro Dome



5MP AI
Motorized Pro Bullet

Panoramic



5/8MP AI 180°
Panoramic Mini Bullet



5/8MP AI 180°
Panoramic Mini Dome



8/12MP AI 360°
Panoramic Fisheye

PTZ Series



2/5MP AI
12X PTZ Bullet



2MP 30x
Speed
Dome



5 MP AI 30X
Speed Dome

5G Series



2/5 MP 5G AI Motorized
Pro Bullet Plus



2MP 5G AI 12X
Pro Bullet Plus

Intelligent Traffic Series



2MP AI Road Traffic
Pro Bullet Plus



2MP AI Road Traffic
(Radar) Pro Bullet
Plus



2MP AI Road Traffic
PTZ Bullet (Plus)



Entrance & Exit AI
LPR



Milesight Network Video Recorder Lineup

Professional IP Surveillance Solution Provider

● Network Video Recorder



◆ NVR

Mini Series



4/8-CH 4K H.265 Mini
NVR 1000 Series

Pro Series



8/16-CH 4K H.265 Pro
NVR 5000 Series



32/64-CH 4K H.265 Pro
NVR 8000 Series

Milesight Product Lineup

Professional AIoT Surveillance Solution Provider

Milesight



Software



Brand-new VMS Enterprise M-VMS Mobile



Milesight M-Sight Pro APP



Milesight CMS



Milesight Smart
Tools

Accessory



Keyboard



Camera Accessories

CONTENTS

02

- ▶ **Network Camera**
- ▶ **Introduction by Series**
 - Mini Series
 - Pro Series
 - PTZ Series
 - Panoramic Series
 - Intelligent Traffic Series
 - 5G Series
- Key Features

Mini



Mini Camera Series

Milesight Mini Camera Series is featured with [compact size](#), [stylish design](#) and [easy installation](#). The cameras not only aspire to protect your security with top-notch megapixel video quality, but also fit your sleek decoration taste. It makes your professional security system [easy and simple](#).



Mini Camera Series

Milesight

Compact · Simple · Stylish

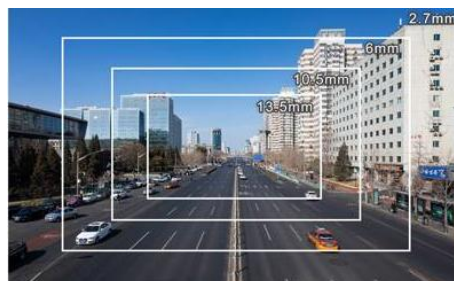


- AI Deep Learning
- 0.005Lux Ultra Low-light
- Advanced Heat Map

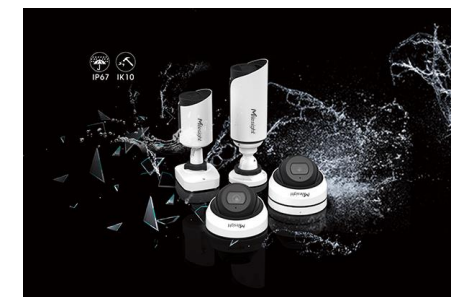
- **Exquisite Ultra Mini Size**
Small yet powerful!



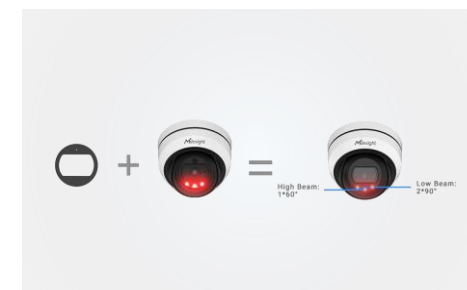
- **4K Video Viewing Experience**
Superior image details.



- **IP67 & IK10**
Robust performance in any conditions.



- **Smart IR II Technology**
Maximized IR performance.



Mini Camera Series



AI Vandal-proof Mini Dome Camera

- 2/5/8MP
- AI Deep Learning
- 30m IR Distance
- IP67&IK10
- Built-in Microphone
- Audio I/O, Alarm I/O, PoE & DC 12V



AI Motorized Dome Camera

- 5/8MP
- AI Deep Learning
- 50m IR Distance
- 60fps High Frame Rate
- Motorized Zoom Lens
- 120dB Super WDR
- IP67&IK10
- Audio I/O, Alarm I/O, PoE & DC 12V



Weather-proof Mini Bullet Camera

- 5MP
- AI Deep Learning
- 50m IR Distance
- IP67&IK10
- 60fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V
- Unique Sunshield Design



AI Vandal-proof Mini Bullet Camera

- 2/5/8MP
- AI Deep Learning
- 30m IR Distance
- IP67&IK10
- 60fps High Frame Rate
- Point-contact Power Supply
- Integrated Junction Box



AI Motorized Bullet Camera

- 5/8MP
- AI Deep Learning
- Motorized Zoom Lens
- Smart IR II with 50m IR Distance
- IP67&IK10
- 120dB Super WDR
- 60fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Pro



Pro Camera Series

Mileight Pro Series is the professional-level network cameras designed for those who are seeking for **up-most in quality, integration, design and reliability** for their demanding surveillance needs.



Pro Camera Series

Milesight

Professional · High-performance · High Quality



- AI Deep Learning
- 0.002Lux Ultra Low-light
- 4K High Resolution
- P-Iris Control
- Advanced Heat Map

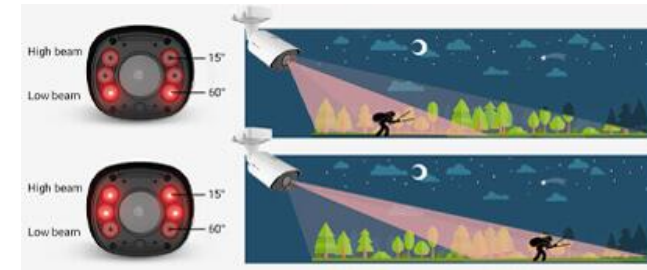
● Better Image Quality

- 1/1.8" STARVIS Starlight Sensor
- 140dB Super WDR
- 90fps High Frame Rate



● Higher Performance for Various Environments

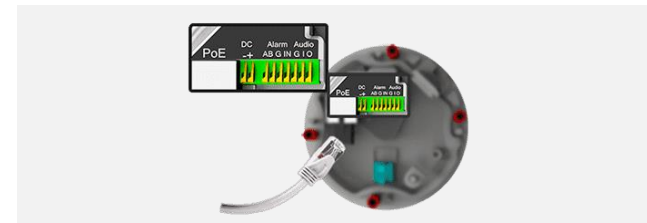
- 4X/12X Optical Zoom
- Smart IR II with Longer IR Distance



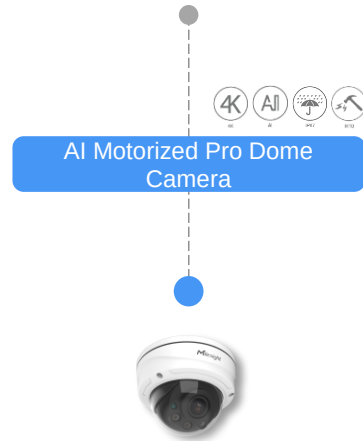
(IR Distance up to 180m)

● Versatile Interfaces for Great Scalability

- PoE/DC Port
- Alarm I/O
- Audio I/O



Pro Camera Series



- 5MP
- AI Deep Learning
- 1/1.8" STARVIS Starlight Sensor
- Smart IR II with 50m IR Distance
- 90fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Cable Management
- Built-in Microphone
- Recessed Installation



- 5MP
- AI Deep Learning
- 1/1.8" STARVIS Starlight Sensor
- Smart IR II with 60m IR Distance
- 90fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

PTZ



PTZ Camera Series

Milesight PTZ Series equips with [pan/tilt/zoom](#) capacity to provide both sweeping overviews and superb zoomed-in details with a single camera. With [1/1.8" big sensor](#), [5X to 42X optical zoom](#) and [intelligent analysis](#), these cameras offer rich features you'd expect in high-end PTZ cameras.



PTZ Camera Series

Milesight

Flexible Rotation · Fast Zooming · Advanced PTZ Functions



- AI Deep Learning
- 360° Endless Pan & 95° Tilt
- Pan Speed 450°/s & Tilt Speed 360°/s
- 42X Optical Zoom
- 4K High Resolution
- 100fps High Frame Rate

● Precise PTZ Tasks

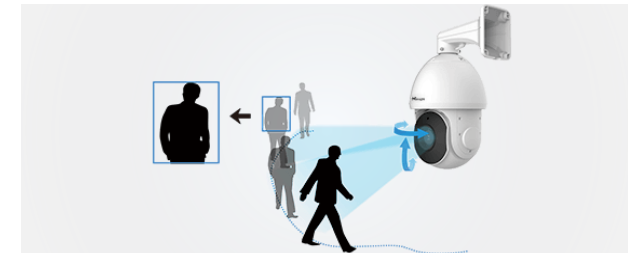
- 360° Endless Pan & 95° Tilt
- Pan Speed up to 450°/s
- Tilt Speed up to 360°/s
- 4K & 100fps
- 5X-42X Optical Zoom

● Advanced Functions

- PTZ Auto Tracking
- PTZ Privacy Mask
- Smart Rain-sensing Wiper

● Great Usability

- 3D Positioning
- Keyboard Control



COHESIVE
Technologies

PTZ Camera Series

AI 12X PTZ Bullet Camera



- 2/5MP
- [AI Deep Learning](#)
- 360° Endless Pan & 75° Tilt
- [12X](#) Optical Zoom
- Smart IR II with [140m](#) IR Distance
- [Intelligent White LED](#)
- [Audio I/O, Alarm I/O, PoE & DC 12V](#)
- Adaptable Housing-shield
- [Wall Mount and Pedestal Mount](#)

AI 5X/20X/23X PTZ Bullet Plus Camera

- 2/5/[8MP](#)
- [AI Deep Learning](#)
- 360° Endless Pan & 75° Tilt
- [5X/20X/23X](#) Optical Zoom
- Smart IR II with [180m](#) IR Distance
- [New-generation PTZ Motor](#)
- [100fps](#) High Frame Rate
- [1/1.8"](#) STARVIS Starlight Sensor
- [Intelligent White LED](#)
- [Audio I/O, Alarm I/O, PoE & DC 12V](#)
- Integrated Junction Box

AI 23X/30X Speed Dome Camera



- 2/5MP
- [AI Deep Learning](#)
- 360° Endless Pan, 95° Auto-flip Tilt
- Pan Speed [250°/s](#) & Tilt Speed [160°/s](#)
- [23X/30X](#) Optical Zoom
- Smart IR II with [200m](#) IR Distance
- [Smart Rain-sensing Wiper\(Optional\)](#)
- [Audio I/O, Alarm I/O, PoE & DC 12V](#)

AI 36X/42X Speed Dome Camera

- 2/5/[8MP](#)
- [AI Deep Learning](#)
- 360° Endless Pan & 95° Auto-flip Tilt
- Pan Speed [250°/s](#) & Tilt Speed [160°/s](#)
- [36X/42X](#) Optical Zoom
- [1/1.8"](#) STARVIS Starlight Sensor
- Smart IR II with [300m](#) IR Distance
- [Smart Rain-sensing Wiper\(Optional\)](#)
- [Audio I/O, Alarm I/O, PoE & DC 12V](#)

Panoramic



Panoramic Camera Series

Tailored for [ultra-wide monitoring scenes](#), Mileight Panoramic Series provides a full 180°/360° panoramic viewing experience with up to [4K/12MP high resolution](#), ensuring the complete situational awareness as well as mission-critical details.



Panoramic Camera Series

Milesight

Wide Angle · Panoramic View · High Resolution



- AI Deep Learning
- 0.008Lux Ultra Low-light
- Advanced Heat Map
- IP67&IK10 Full Protection
- Built-in Microphone

- **Panoramic Coverage for All-around Surveillance**

- 180°/360° Panoramic View
- Up to 12MP Ultra High Resolution



- **Image Dewarping**

- Stunning Dewarping Ability
- On-board/Client-side Dewarping



9 Display Modes: ○ ↔ ⇄ ☐ ☐ ☐ ☐ ☐ ☐ ☐

- **Dealing with More Details Intelligently**

- Advanced Heat Map
- Fisheye Auto Tracking



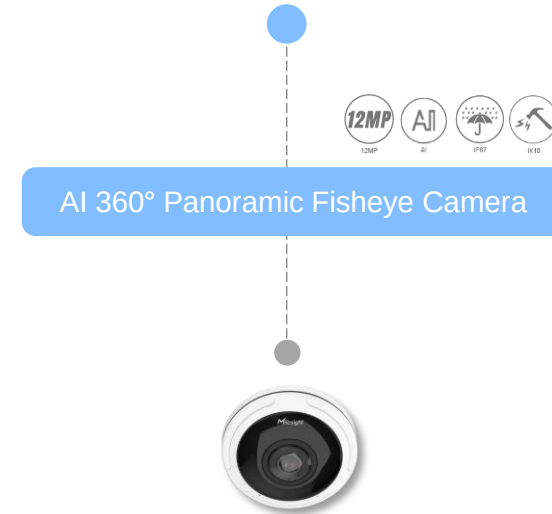
Panoramic Camera Series



- 5/8MP
- AI Deep Learning
- 180° Panoramic View
- 180° IR Coverage
- Smart IR II with 15m IR Distance
- Built-in Microphone
- 3-Axis Mechanical Design
- Integrated Junction Box



- 5/8MP
- AI Deep Learning
- 180° Panoramic View
- 180° IR Coverage
- New Generation Panoramic IR Technology
- Smart IR II with 15m IR Distance
- Built-in Microphone
- Easy Installation
- Integrated Junction Box



- 8/12MP
- AI Deep Learning
- 360° Panoramic View
- Smart IR II with 15m IR Distance
- Fisheye Auto Tracking
- On-board/Client-side Dewarping
- Two Kinds of Compatible Modes
- Built-in Microphone
- Audio I/O, Alarm I/O, PoE & DC 12V
- Ceiling Mount, Wall Mount and Flat Mount

Intelligent Traffic



Intelligent Traffic Camera Series

Milesight ANPR solution provides a comprehensive and easy-to-use management system that supports **real-time vehicle plate recognition** with high accuracy, and identifying more vehicle features. It makes your traffic management efficient and improves safety and mobility.



Intellifent Traffic Camera Series

Milesight

High Accuracy · Smart AI LPR · 3D Radar · Supplement Light

◆ Road Traffic Management



4G Solar-Powered
Traffic Sening
Camera



AI Road Traffic
5G Pro Bullet Plus



AI Road Traffic Pro
Bullet Camera



AI Road Traffic Radar
Pro Bullet Plus Camera



AI Road Traffic
Parking Detection
Camera



AI Road Traffic
PTZ
Bullet Plus Camera



AI Road Traffic
PTZ
Bullet Camera



AI Road Traffic
Speed Dome



AI Road Traffic
Supplement Light Pro
Bullet Plus Camera

◆ Features

Accurate License Plate Recognition	Embedded AI LPR Algorithm	95% Recognition Rate	Up to 200km/h
	LPR Night Mode	Up to 4 Detection Regions	License Plate Serial Format
License Plate Management	Black/White List Management		LPR Smart Search
AI-based LPR Function	Non-Plate Recognition	Vehicle Type/Color /Brand Classification	Plate Color Recognition
	3D Radar Localization		Speed/Direction Detection
Integrated Radar Technology	200KM/H		Speed Thresholds for Different Lanes
Attributes Events	Reverse driving	Evidence Linkage	Illegal Parking Detection
	Broad Regional and Country Support: Mid-east, Africa, Asia-pacific, America, Europe, Russian-speaking countries		
Supported Regions			

● Typical Applications



Parking Lot



Rural Road



Urban Road



Gate Control



Community Road

Intellifent Traffic Camera Series

Milesight

High Accuracy · Smart AI LPR · 3D Radar · Supplement Light

◆ Parking Management



AloT Indoor Parking Management Suite



AI Outdoor Parking Management Camera

◆ Entrance & Exit Management



Entrance & Exit AI LPR Pro Dome Camera



Entrance & Exit AI LPR Bullet Camera



Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera

◆ Features

Accurate License Plate Recognition	 Embedded AI LPR Algorithm	>95% 95% Recognition Rate	 Up to 200km/h
License Plate Management	 LPR Night Mode	 Up to 4 Detection Regions	 License Plate Serial Format
AI-based LPR Function	 Black/White List Management	 LPR Smart Search	
Integrated Radar Technology	 Non-Plate Recognition	 Vehicle Type/Color /Brand Classification	 Plate Color Recognition
Attributes Events	 3D Radar Localization	 Speed/Direction Detection 200KM/H	 Speed Thresholds for Different Lanes
Supported Regions	 Reverse driving	 Evidence Linkage	 Illegal Parking Detection
	 Broad Regional and Country Support: Mid-east, Africa, Asia-pacific, America, Europe, Russian-speaking countries		

● Typical Applications

 Parking Lot	 Rural Road	 Urban Road	 Gate Control	 Community Road
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5G



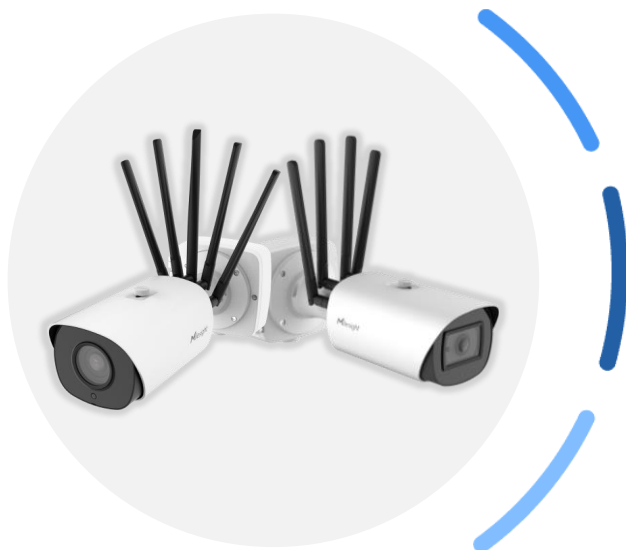
5G Camera Series

Milesight 5G Camera Series is equipped with innovative technology, reliable quality and chic design. With Industry-leading [5G and IoT technology](#), Milesight 5G camera series can be applied to more complex environments, meet various security requirements, and provide a more intelligent, flexible and timely experience.



5G Camera Series

Cutting-edge 5G & IoT Technology · High Resolution



- AI Deep Learning
- Up to 180m IR Distance
- Integrated Cable Management
- Auto Focus & Motorized Lens

● 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

● Easy Deployment & Compact Structure

- Built-in 5G Module
- Built-in IoT Module
- 3-axis Mechanical Design
- Integrated Junction Box



5G Camera Series

5G AI Motorized Pro Bullet Plus Camera



- Industry-leading 5G Technology
- AI Deep Learning
- Motorized Lens
- P-Iris(Optional)
- Up to 100m IR Distance
- 4K High Resolution
- 0.005 Lux Ultra Low-light
- 3 in 1 Super WDR Pro
- Smart IR II Technology
- Integrated Cable Management

5G AI 4X/12X Pro Bullet Plus Camera



- Industry-leading 5G Technology
- AI Deep Learning
- Up to 180m IR Distance
- 4X/12X Optical Zoom
- 4K High Resolution
- 0.005 Lux Ultra Low-light
- 3 in 1 Super WDR Pro
- Smart IR II Technology
- Integrated Cable Management

5G AIoT 4X/12X Pro Bullet Plus Camera



- Industry-leading 5G Technology
- AI Deep Learning
- Cutting-edge IoT Technology
- Up to 180m IR Distance
- 4X/12X Optical Zoom
- 4K High Resolution
- 0.005 Lux Ultra Low-light
- 3 in 1 Super WDR Pro
- Smart IR II Technology
- Integrated Cable Management

Full Line-up of VMS Products to Meet All Your Needs



Set out to the data-driven tomorrow · Dive into sensing insight

Milesight VMS Enterprise

- Centralized Management of **Network Cameras** and **IoT Sensors** of up to **2000**
- Server-based AI Analytics to Explore Infinite AI Applications
- Abundant Features Freshen up Your Video Surveillance
- Tailor-made Services Meet Your Needs

Software

AI Box

- **8-CH** Model
- More than **30** AI Functions
- Up to **99%** Accuracy
- **Compatible with Milesight VMS Enterprise**



Video Surveillance Appliance

- **64/128-CH** Storage Server
- Dell Hardware Technology
- Pre-loaded with the Latest Milesight VMS Enterprise



All-in-one VMS Appliance

- **36** Channels Video Input & Decoding
- Future Scalable for Any Project Size
- High Flexibility for Various Needs

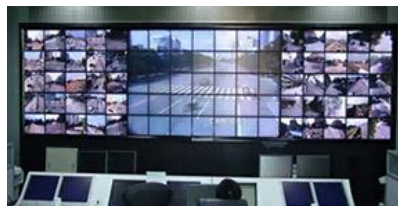
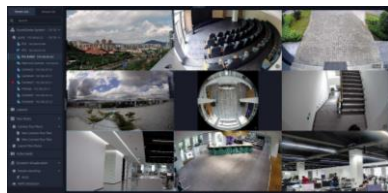
About License

Mileight

① Software License Type

Channel License

Limit the number of camera channels that can be added. (regardless of the manufacturer)



Video Wall License

Limit the number of Video Wall monitors that can be active at the same time.

On-server AI Analytics

Limit the number of channels that can be deployed with server-based AI. (3rd-party devices only)



ANPR License

Limit the number of channels that can be deployed with server-based ANPR. (regardless of the camera is LPR or non-LPR)

② Mileight VMS Hardware



02

POWERFUL HARDWARE

Video Surveillance Appliance

All-in-one VMS Appliance

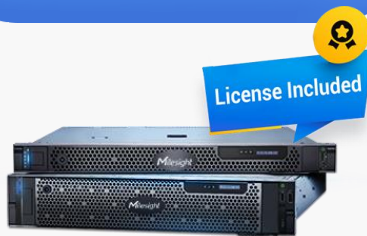
AI Box

Hardware



Renowned for its reliability, Milesight VMS Enterprise is ready to provide a community of software, hardware and service that add extra value and capabilities to your system.

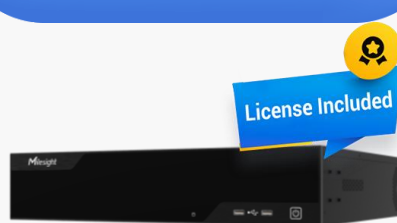
Server



Video Surveillance Appliance

- **64/128-CH** Storage Server
- Dell Hardware Technology
- Pre-loaded with the Latest Milesight VMS Enterprise

Server + Client



All-in-one VMS Appliance

- VMS Server & Client Inside
- **36-CH** Video Input & Decoding
- Standalone & Distributed Projects for Various Needs



AI Box

- **8-CH** Model
- More than **30** AI Functions
- Up to **99%** Accuracy
- Compatible with Milesight VMS Enterprise

Why Video Surveillance Appliance

The simple and reliable setup for mid-large projects with **36/64/128** ch Video Surveillance Appliance.

Milesight



The Difficulty of Hardware Selection?

High-quality and Reliable Hardware Facilities to Ensure an Effective and Efficient Monitoring Experience.



The Challenge of Achieving Project Expansion?

Simplify Project Scalability, Enabling Effortless and Seamless Expansion.



The Problem of Data Loss?

N+M Failover & RAID Provide 24/7 Monitoring of Your Premises to Identify and Deter Potential Threats.



Hard to Achieve Coordinate Dispersed Systems?

C/S Architecture Realizes Centralized Resource Management.

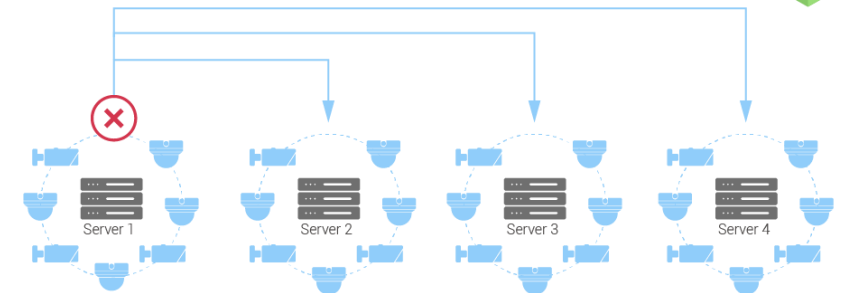


VMS
PRE-LOADED

12*20TB
STORAGE

128CH
CHANNELS

RAID
0/1/5/6/10/50/60
RELIABILITY



64/128 CH Video Surveillance Appliance

Milesight

Based on Dell's hardware technology, it brings next level flexibility and scalability.

> Robust Storage Hardware You can Trust



Breaking Limits with Dell's Reliable Hardware Infrastructure

- **Intel Processor:** Up to **700 Mbps** Playback Rate, powering through complex workloads.
- Dell Hardware Technology: Robust Housing, HDD Hot-swappable, Industrial-Grade Motherboard, Redundant Power Design for Durability and Reliability



High Data Availability

RAID 0/1/5/6/10/50/60 for Data Integrity



Flexible & Scalable Storage

Up to **12*20 TB** Storage Capacity



Versatile Interfaces

Provide all Necessary Features of Effective Surveillance



Global Service Guarantee

3-year, on Site, Keep Your Appliance Warranty

NDA



All-in-One VMS Appliance



Milesight

Independent, scalable, and equipped with 36 channels, it is built for ultimate growth.

Server+Client Inside

Pre-loaded with latest Milesight VMS Enterprise system to deliver a ready-to-deploy solution.



High Expandability

Well-suited for both distributed and standalone projects.



Enriched Capabilities

Allow Your System to Grow and Expand with the Scalable Storage, AI Functions, E-map and more.



Extensive Compatibility

Fully compatible with Milesight network cameras, IoT sensors and 3rd party network cameras.



36/64/128 CH Video Surveillance Appliance

Milesight

Pre-loaded with Milesight VMS Enterprise, it meets the need for projects expandability.

➤ Streamlined Software Solutions for Simplified Management

Pre-loaded with Latest VMS

Synchronize with the Latest Software Features to Bring the Infinite Possibility

Fit for Mid-to-Large Projects

With up to 2000-ch connectivity, Designed for Your Growing Needs

N+M Failover for System Security

License can be Shared within the System in Case of a Failed Server, Providing Extra Assurance and Guarantee of Successful Failover.



Lifetime License Included

Equipped with a Camera Access License Included, without any Additional Expenses or Recurring Fees.

High Flexibility

The Flexible Customization of Software Options Tailored to Meet Your Unique Business Needs.

Robust Compatibility

Fully Integrate with Milesight Network Cameras, Sensors and 3-rd Party Network Cameras.

COHESIVE
Technologies

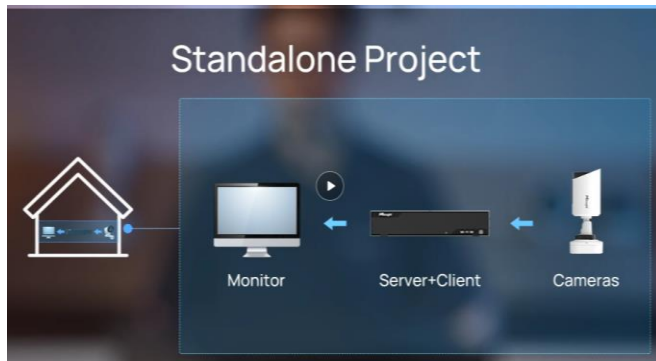
Unified Security with 36/64/128 Video Surveillance Appliance

Flexibility at its finest: Catering to diverse projects needs, providing advanced monitoring solutions and unparalleled benefits.



Independent Application

- A simple and effective surveillance solution for your single-location facility.
- Utilizing real-time video surveillance for **small business or home security monitoring** while minimizing reliance on complex infrastructure.
- Flexible and scalable enough to meet the growing needs.

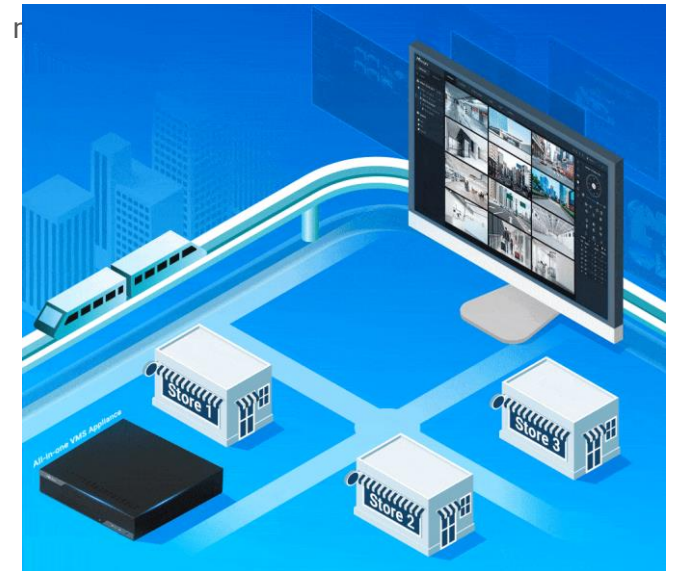


Ideal for These Solutions



Distributed Projects

- **Corporate campuses** or **large facilities** to integrate multiple cameras and provide comprehensive security coverage.
- **Chain stores** or **branch offices** with geographical locations for centralized management and



Future Scalability for 36/64/128 Video Surveillance Appliance

Experience the future of surveillance with our latest VMS version, delivering a host of advanced functionalities and powerful capabilities.



ANPR



Cross Line
People Counting



Regional People
Counting



Loitering



Line
Crossing



Advanced
Motion
Detection



Region
Exiting

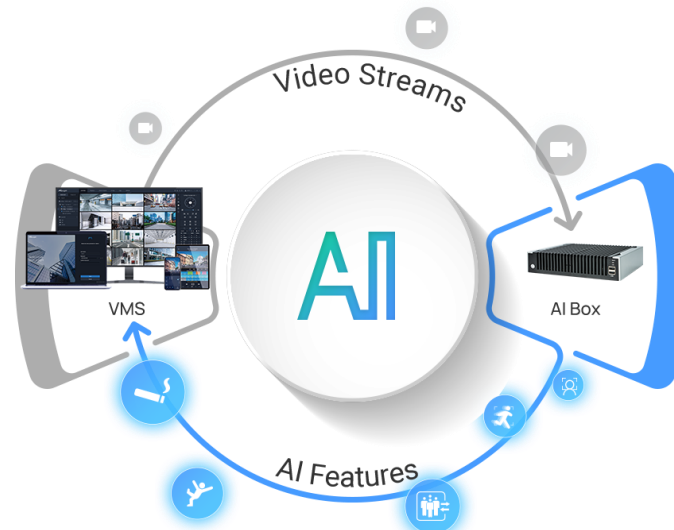


Region
Entrance

> Server-based AI Analytics*

- ANPR
- People Counting
- VMS-end Analytics Events

* Additional AI Analytics Server is Required



> AI Box Video Analytics

- Fall Detection
- Face Recognition

More to be explored...

> IoT Connectivity

- Centralized Management of Sensor Data
- Remote Management of Sensors

> Advanced Features

- Video Synopsis
- Event & Alarm
- Smart Evidence Forensic
- E-map
- Video Wall
- Professional Dashboard

AI Box

8-CH
MODEL

30+
AI FEATURES

99%
HIGH ACCURACY
RATE

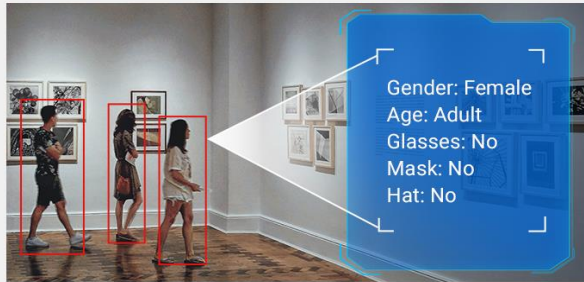
1
EDGE AI DEVICE

Milesight

Equipped with more than 30 algorithms for deep learning and analysis, the AI Box is a cost-effective AI computing product, which is able to recognize detected objects precisely and immediately, with 99% accuracy.

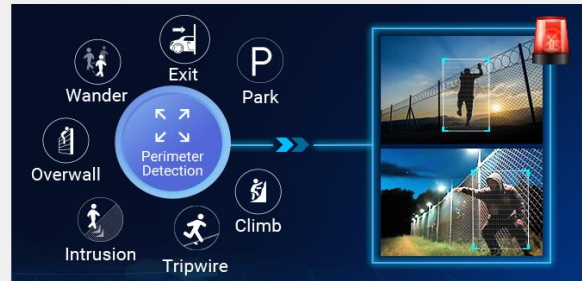
Clientele Classification & Identity Management

Face-human & Recognition, Structure Analysis, such as Face, Body, Vehicle and Plate, etc.



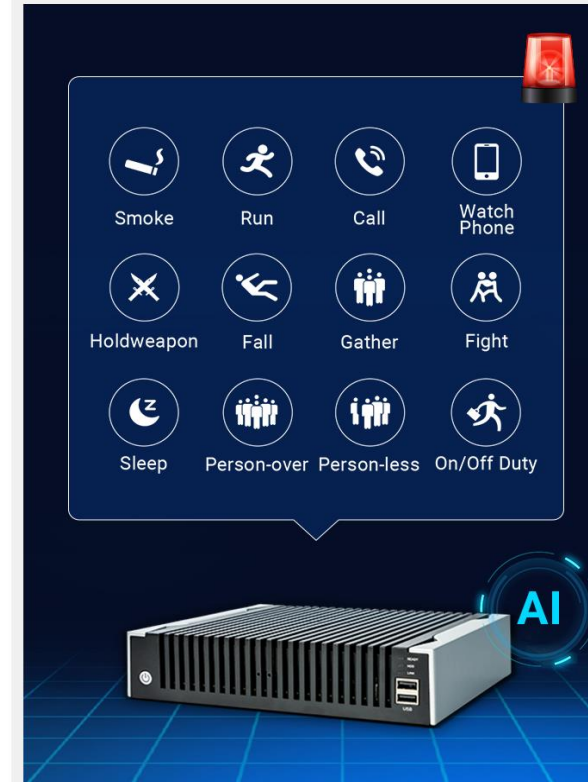
Perimeter Alert Management

Tripwire, Intrusion, Park, Exit, Wander and Over Wall Detection.



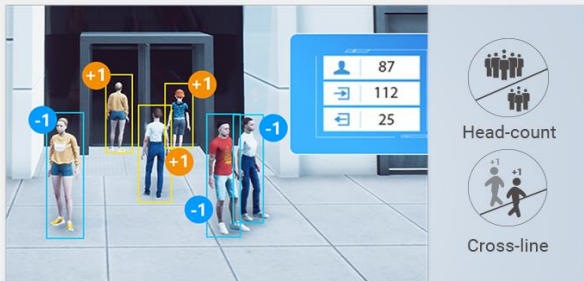
Behavioral Alert Management

Fall, Smoke, Call, Watch Phone, Run, Sleep Detection, etc.



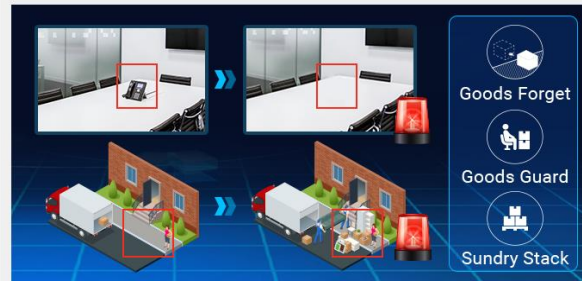
Over-crowd Management

Regional People Counting, Entrance & Exit People Counting.



Objects Management

Sundry Detect, Goods Forget, Goods Guard.



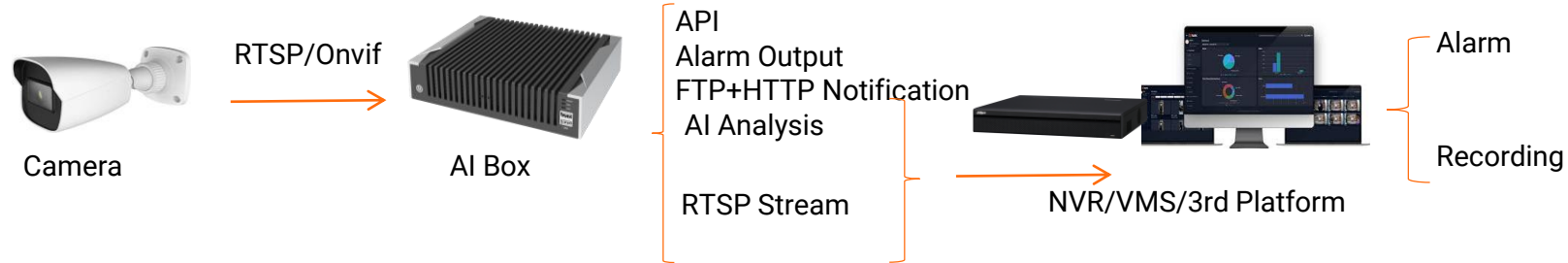
How AI Box Works?

Milesight

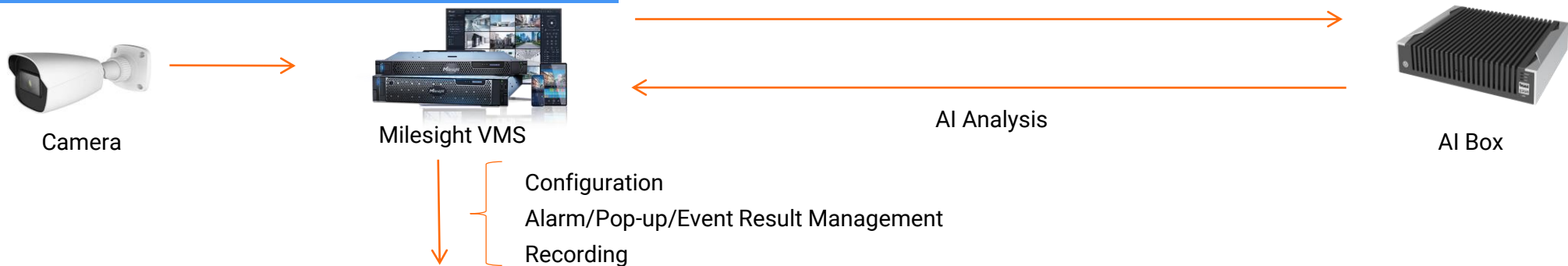
The highly integrated AI Box not only brings intelligence to virtually any - even existing video surveillance system, but also is integrated deeply with Milesight VMS Enterprise, achieving a unified AI VMS solution.



Standalone Possibility



Deeply Compatible with Milesight VMS Enterprise



Standalone Possibility-AI Box

Intuitive UI Design for Easy Configuration.

Milesight

Preview

Real-time Live View

Camera Access

RTSP/ONVIF Based

Prompt Alarm Notification



API



HTTP



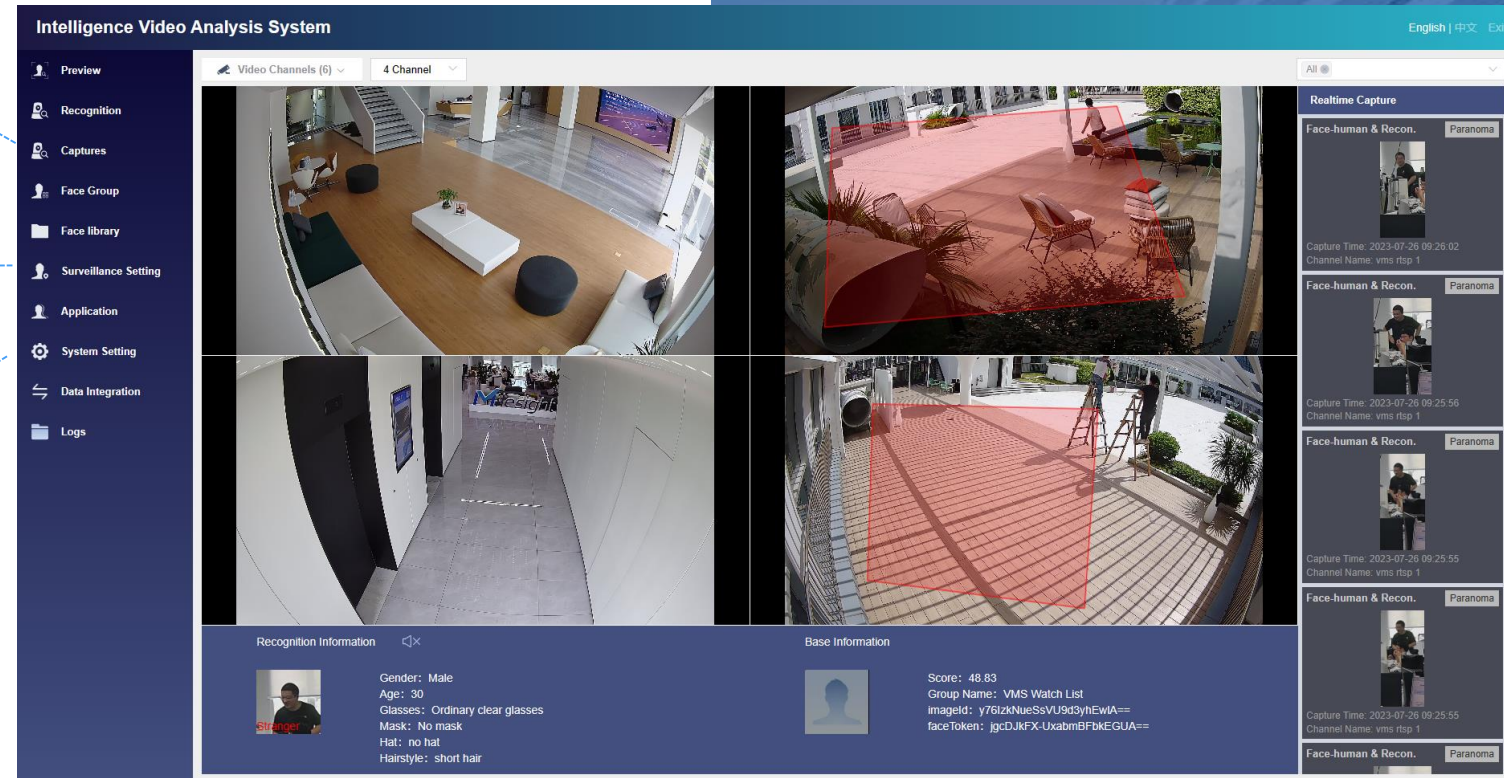
FTP



Alarm Output

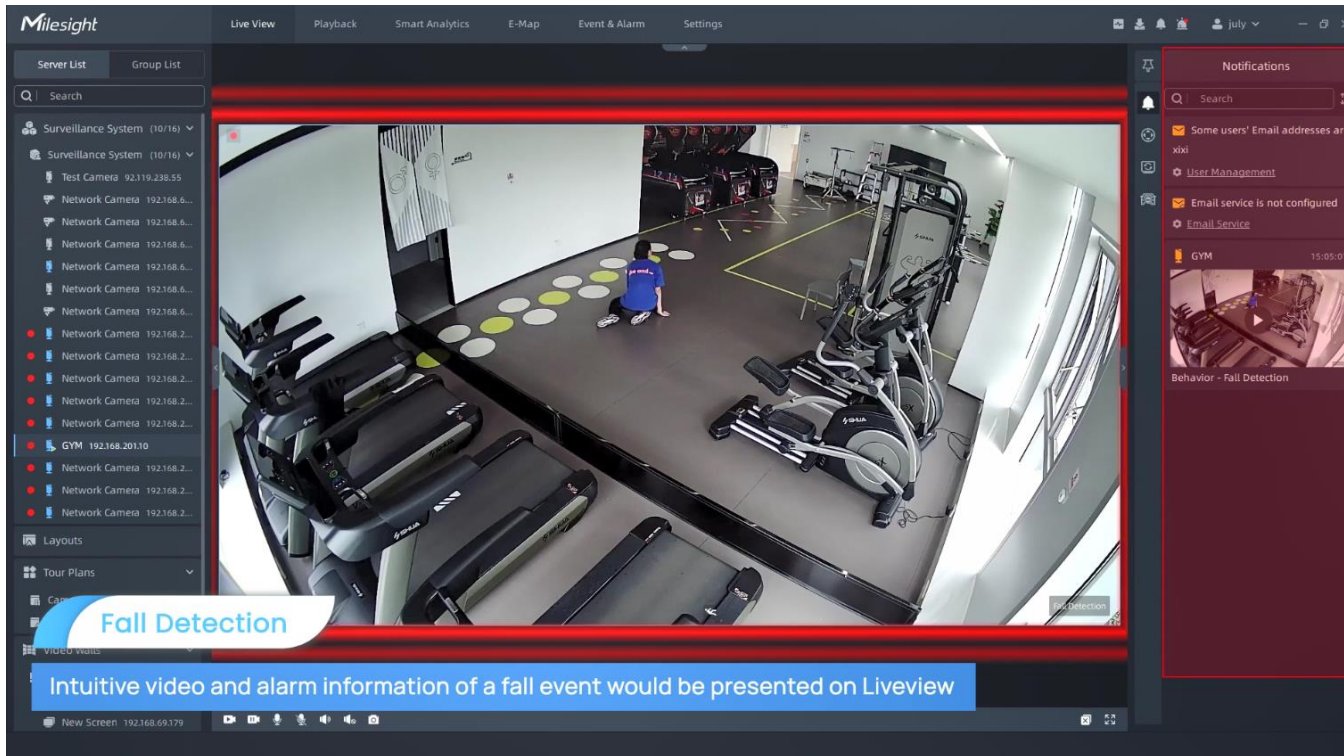
Results Retrieve

- Recognition & Captures
- Face Body & Stature
- Smart Capture
- People Counting



Perfectly Integrated with Mileisght VMS Enterprise

Fall Detection



The Fall Detection can help caregivers or security teams respond more quickly to falls, potentially reducing the severity of injuries and providing enhanced safety and peace of mind.

Mileisght



Focus and Efficiency Improved

- Timely Response
- Highly Accurate · Intuitive Dashboard



Customizable Detection Settings

- Up to 4 Detection Regions
- Ignored Detection Region to Avoid False Positives



Intelligent Evidence Linkage

- Versatile Actions for Maximizing Alarm Efficiency
- Data Priorities Processing & Clear Categorization

Perfectly Integrated with Mileisght VMS Enterprise

Streamline Face Detection: Fast and Accurate

Face Group & List Management

- Up to 300,000 Face Image Import
- Customizable Face Group for Clientele Classification & Identity Management

Advanced Detection Settings

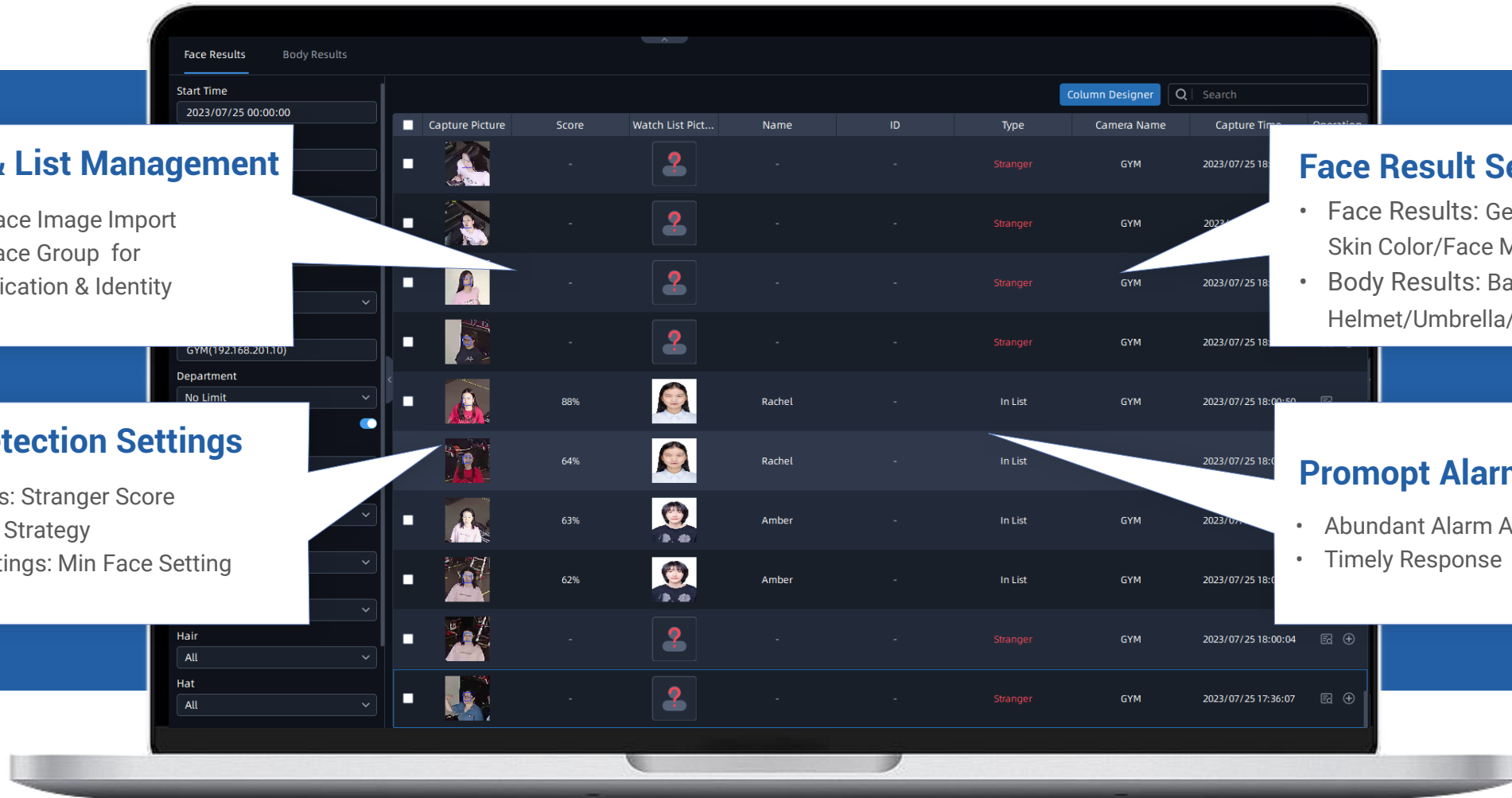
- Strategy Settings: Stranger Score Threshold/Push Strategy
- Recognition Settings: Min Face Setting

Face Result Search

- Face Results: Gender/Age/Beard/Skin Color/Face Mask/
- Body Results: Backpack/Safety Helmet/Umbrella/Ride Bike, etc.

Prompt Alarm Notifications

- Abundant Alarm Actions
- Timely Response



Perfectly Integrated with Mileisght VMS Enterprise-Face Recognition *Mileisght*

➤ Keep Your Office Safe and Lower Management Costs



AI



Face
Recognition



Face
Matching



Stranger Detection
& Alarm

➤ Identify Your VIP and Improve Customer Satisfaction



AI



Face
Recognition



Face
Matching



Stranger Detection
& Alarm

03

ROBUST SOFTWARE

Milesight VMS Enterprise

Overview

MILESIGHT **VMS** ENTERPRISE

Advanced C/S Architecture · On-server AI Analytics · Intuitive Live View · Efficient Playback · Scalable Video Wall · IoT Connectivity

OS: Windows 11/10/8/7

Windows Server 2022/2019/2016/2012/2008

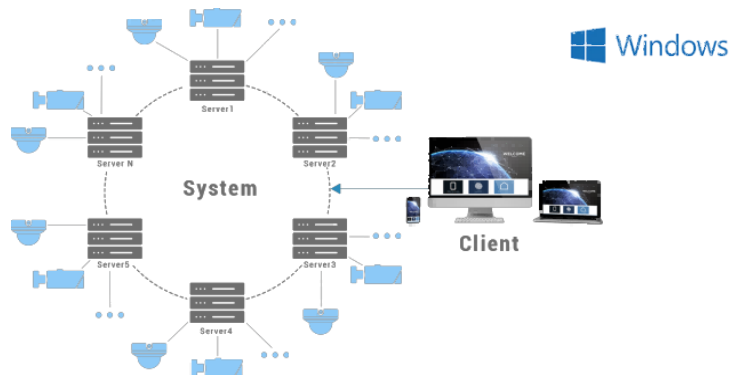


Milesight VMS Enterprise is a professional and intelligent video management software for medium-to-large business projects. Together with Milesight cameras and third-party cameras, it can simplify your video surveillance and fulfill your demands and expectations with rich core functions including Live View, Playback, Recording Export, E-Map, Event Alarm, Smart Search, AI Analytics, and more.

System Overview

> Advanced Client/Server Architecture

- Support up to **2000-CH** per system / **128-CH** per server / **25 servers** per system (The numbers given are recommended maximum)
- Support **N+M Failover**
- Centralized resource management
- Manage masses of network cameras in different locations
- Multi-user login at the same time
- Multi-client data synchronization



> M-VMS Mobile

Connect to VMS System by P2P 

Great Flexibility

- PTZ
- Two-way audio
- Client trigger alarm

Playback

- Adjustable speed of playback
- 4-CH synchronous or asynchronous playback
- Playback by events
- Split playback

Receive Event Messages from VMS System



4 Sparks Make Milesight VMS Enterprise Apart



Set out to the data-driven tomorrow · Dive into sensing insight



IoT Connected

- Connect with IoT Devices and Trigger Actions
- Achieve 100% Anonymous Occupancy Detection
- Actionable Insights from Remote Management

Tailor-made Service



- Customized AI Functions Meet Project Solutions
 - Adoption of Specified Protocol
 - 100% Fit Demands



Edge & Server-based AI

- Integrate AI Analytics of IPC and AI Box
- Server-based AI and ANPR Algorithm
- Various AI-related Applications to be Explored...

Ease-of-use



- Video Synopsis for Smart Evidence Forensic
- Event & Alarm Focus on Target Event Type that Matters
 - Customer-oriented Usability Improvements



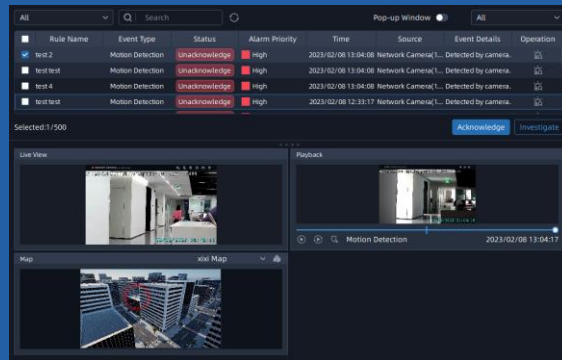
Easy to Use



Milesight VMS Enterprise will be committed to essential features to increase the software's usability and simplicity even though the software is powerful and has a lot of capabilities.

➤ Event & Alarm

- Alarm Data Priorities Processing
- Clear Categorization of Different Alarm Data Types
- Rapid Arming and Disarming



➤ Smart Video Synopsis

- Alarm Data Priorities Processing
- Clear Categorization of Different Alarm Data Types
- Rapid Arming and Disarming



➤ User-centered Design for an Intuitive Experience

- Effortless Navigation
- **Intuitive and User-Friendly Interface**
- Customizable Views for Easier Surveillance System Monitoring
- Real-Time Alerts and Notifications



Smart AI Analytics

Versatile AI features provide intelligent capabilities to detect and address security issues.



ANPR


Cross Line
People Counting

Regional People
Counting


Loitering


Line
Crossing

Advanced
Motion
Detection

Region
Exiting

Region
Entrance

Server-based AI Analytics

- ANPR
- People Counting
- VMS-end Analytics Events



AI Box Video Analytics

- Fall Detection
- Face Recognition

More to be explored...

Front-end Events Compatibility



Tailor-made Service

Milesight

Milesight tailor-made services provide the dedicated VMS Software based on Milesight R&D capabilities, which will completely meet the demands of your projection scenarios.



> 100% Fit Demands

● Customized Solutions

- Smart Building -- Remote Controlling of Lights, Curtains, Air Conditioning..
- Smart Office -- Face Recognition, Attendance Management..
- Gas Station Application -- Fire Smoke Detection, Play Phone Detection



Tailor-made for Customer-specific Tasks



Diversified AI Functions covering Different Scenarios



Adoption of Specified Protocol



Brand Customized VMS Software...

IoT Connected

Perfectly bringing together data from various sensing devices, including cameras and IoT sensors, and generating actionable insights.

Milesight

➤ Workplace Occupancy Detection



- Achieve 100% Anonymous Occupancy Detection
- Visualization of People Counting Data
- Timely Response

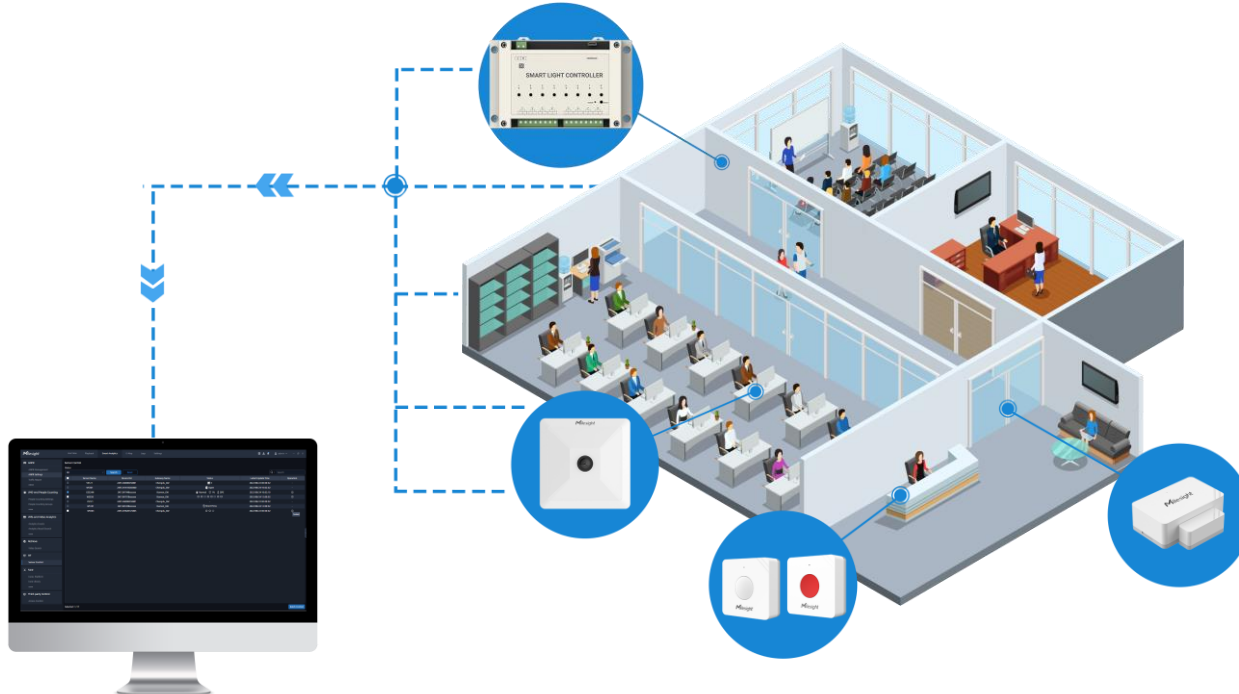
➤ Electronic Switch Control



- Make Lighting Control a Breeze
- Improve Office Efficiency
- Remote Management

COHESIVE
Technologies

Electronic Switch



Unleashing Mileight VMS Potential: Endless Possibilities



Smart Evidence Forensic

Event & Alarm

Intelligent Video Retrieval

AI Box Integration

Server-based Video Analytics

People Counting

Smart Search/Thumbnail Retrieval

Robust System Architecture

Multi-servers System for Distributed Projects

Customized Solutions

Tailor-made Service

Remote Management

CONTENTS

02

- ▶ **Network Camera**
 - Introduction by Series
 - Mini Series
 - Pro Series
 - PTZ Series
 - Panoramic Series
 - LPR Series
 - 5G Series
 - Color⁺ Series
- ▶ Key Features

Superior Image Quality

- Outstanding Viewing Experience



100fps

- 60fps/90fps/100fps High Frame Rate



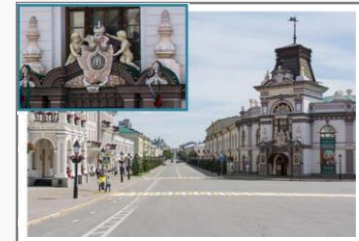
360°

- 180°/360° Wide Angle Viewing



42X

- 3X to 42X Optical Zoom



12MP

- 4K/12MP High Resolution

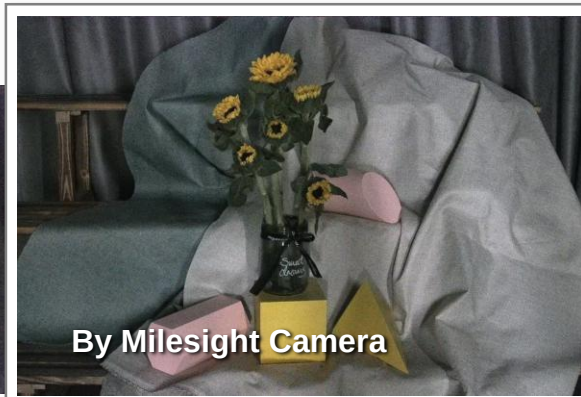
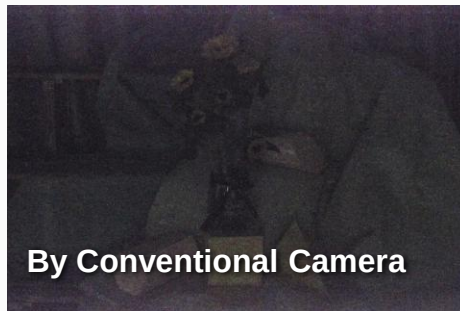


Superior Image Quality

● Clear Night Vision



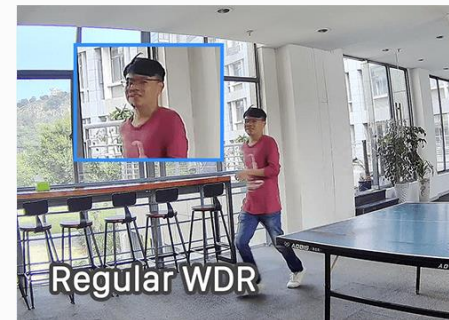
- 0.001Lux Starlight
- Smart IR II Technology



● Excellent Details Under Backlighting

WDR

- 3 in 1 Super WDR Pro-140dB
- HLC (Highlight Compensation)
- BLC (Backlight Compensation)

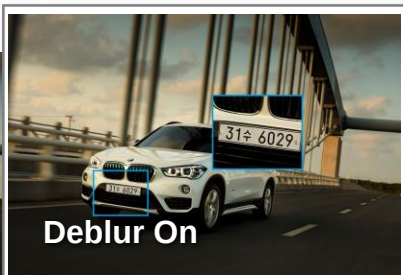
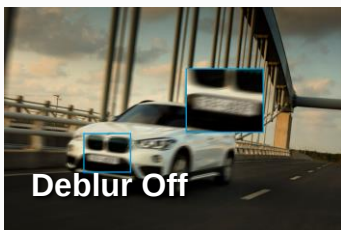


Superior Image Quality

● Advanced Image Processing



- High-quality Deblur



- Comprehensive Defogging



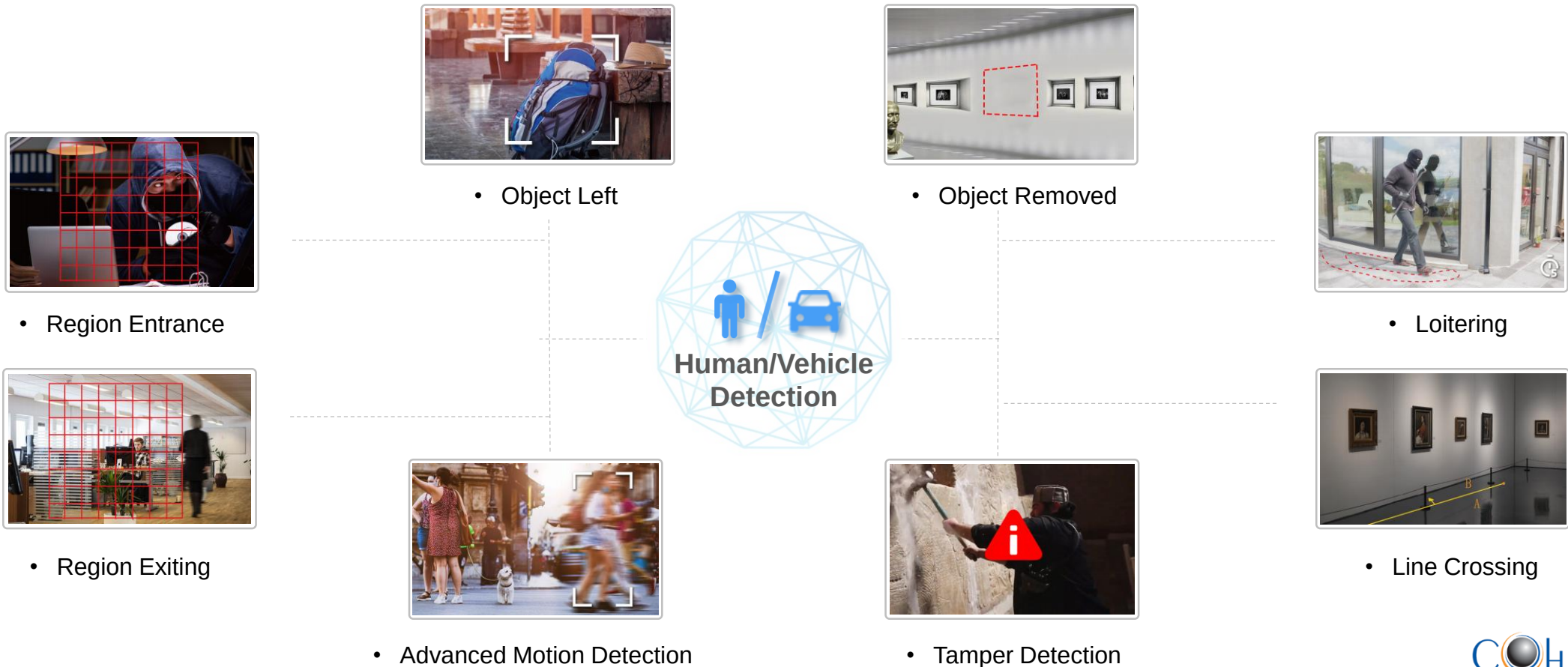
- P-Iris Control



AI Core Technologies

• AI Video Analytics

Powered by advanced AI engine, Milesight AI video analytics boasts with higher accuracy via a pre-trained **deep learning** model and continuously training to algorithms automatically. Milesight cameras can intelligently **filter objects** to focus on **human and vehicle detection**, together with multiple event rules including region entrance, object removed, loitering, etc., to meet diverse scenarios for building a smarter and safer world.



AI Core Technologies

• People Counting

Milesight is offering a series of crowd management solution to facilitate epidemic prediction in all walks of life. It integrates front-end network cameras and back-end central management system for crowd control.



Embedded Deep Learning Algorithm

Intelligent & High accuracy 95%+

Detect the flow of people in the area

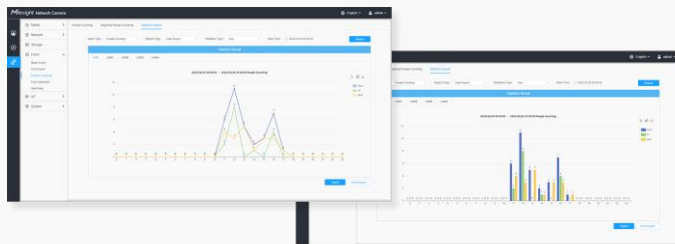
Ø Entrance Ø Exiting

Up to 4 different directions



Manage multiple cameras simultaneously

Occupancy Dashboard & Maximum Capacity Alarm



◆ Large Supermarket Project

Network

----- Central Management

Cameras

System

Ø Manage multiple cameras simultaneously

Ø Professional flow analysis report

Ø Real-time alarm, central supervision

◆ How to use Crowd Management Solution?

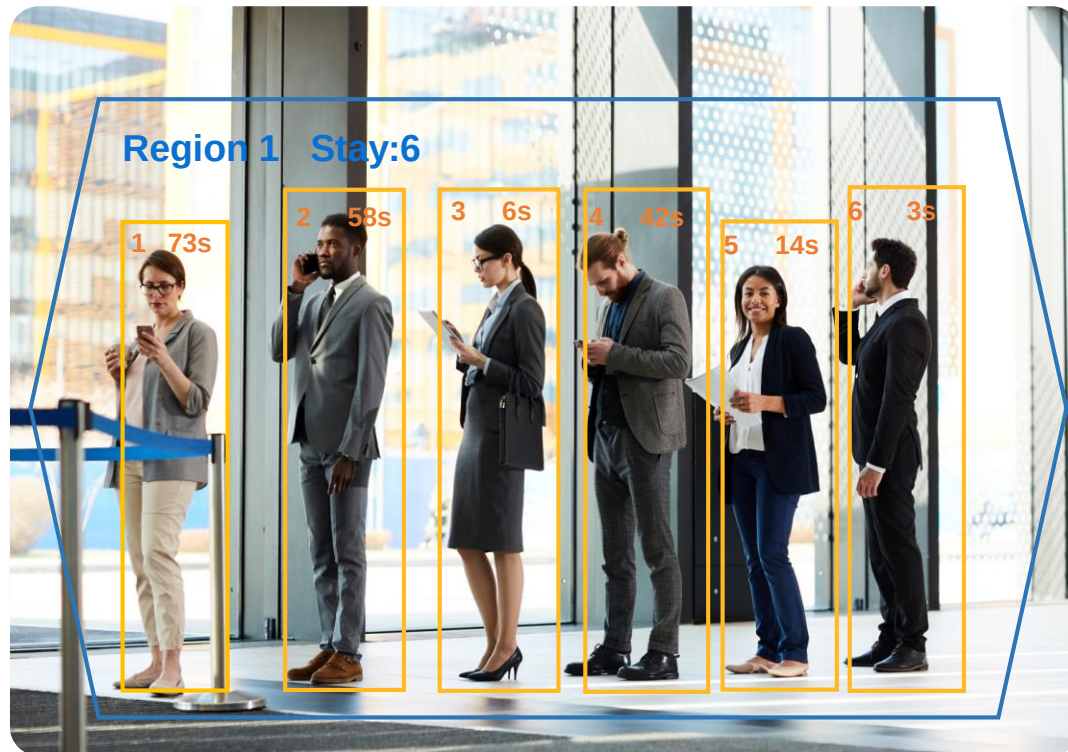


AI Core Technologies

• Regional People Counting

It can not only check the real-time number of people and the time of each person's stay in the detection region, but also generate statistics report according to region, length of stay and start time to meet different needs.

◆ Intelligent Regional People Counting



Key Features

- Ø Support 4 Regions · Real-time Regional Statistics
- Ø Length of Stay Display · Analysis Report
- Ø Alarm Settings · Linkage Trigger

Advantage

- Ø AI Core - High Accuracy · Real-time Detection
- Ø Competitive Features & Analysis Report
- Ø High Added Value & Differentiation

Application Scenarios

- Ø Queue Management · Regional Density Analysis
- Ø Bank & Retail & Campus & Business

AI Core Technologies

• People Flow Analysis

Future flow trends can be analyzed so as to provide statistic basis for space planning and business decisions making.



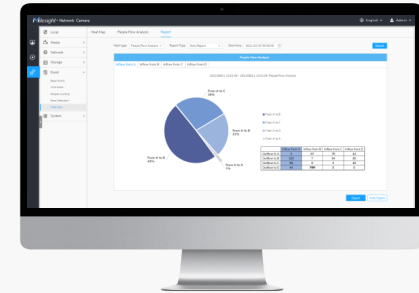
People Flow Trend Analysis

- Ø Built-in Statistical Behavior Analysis
- Ø Real-time Tracking & Easy Deployment
- Ø Up to 6 Different Directions



Detailed Analysis Report

- Ø Multiple Report Type
- Ø Suitable for Various Scenarios
 - Population Monitoring
 - Traffic Management
 - Migration Analysis



Application Scenarios



Shopping Mall



Business Street



Crossing



Station

AI Core Technologies

• Vehicle Counting

With 4 lines for detection, Vehicle Counting makes the application scenarios more versatile.

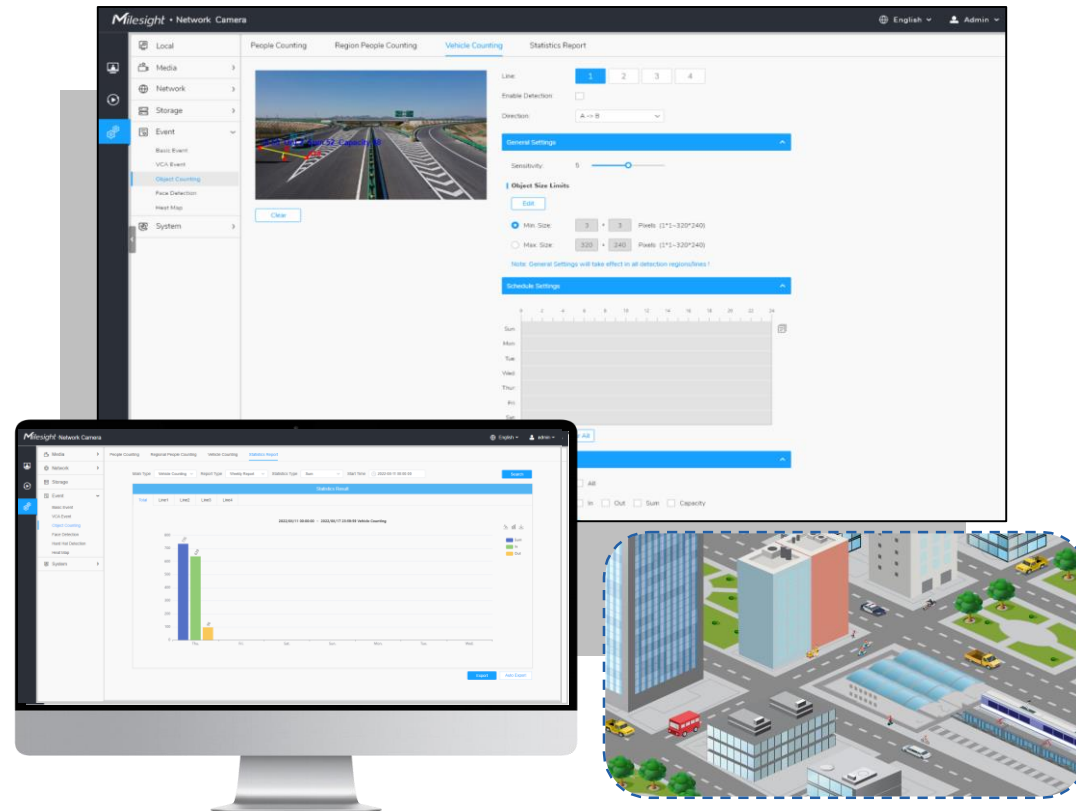
◆ Vehicle Counting for AI Camera

Key Features

- Ø Extend the Power of **AI Camera**
- Ø **Traffic Flow Detection** · Highly Accurate
- Ø **Professional flow analysis report**

Application Scenarios

- Ø Vehicle Density Management · Traffic Analysis
- Ø Parking Lot & Urban Road



AI Core Technologies

• Face Detection

Accurate positioning and capturing human faces can greatly enhance the monitoring efficiency.



Embedded Deep Learning Algorithm

Intelligent & Highly Accurate

Real-time Capture & Storage

Ø Alarm & Linkage



Face Attribute Recognition

Ø Age/Gender/Glasses/Mask/Cap

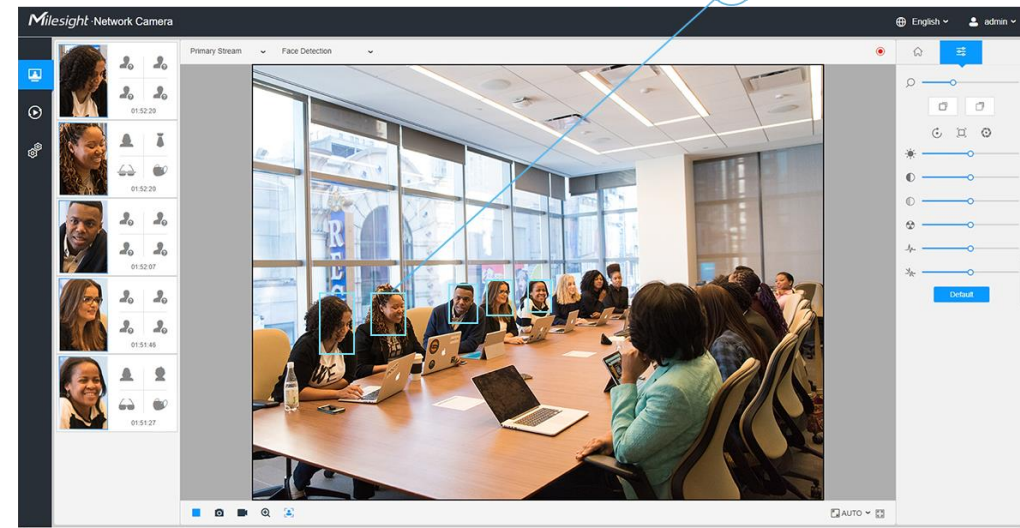
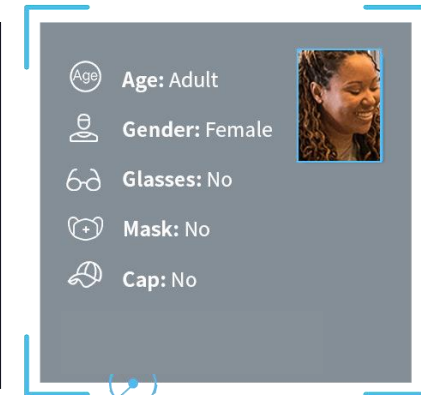
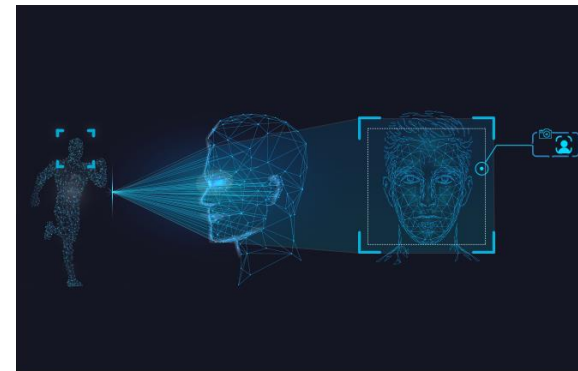
Ø Face Privacy Mode



COMING SOON...

Face Comparison & Analysis

More Linkage



AI Core Technologies

● Hard Hat Detection

Provide a new way for industrial owners to ensure the safety of their workers.



◆ Hard Hat Detection

◆ Key Features

- Ø Embedded Deep Learning Algorithm
- Ø Detection for Construction Security
- Ø Intelligent & Highly Accurate
- Ø Real-time Capture
- Ø Alarm & Linkage

◆ Application Scenarios

- Ø Construction Site

AI Core Technologies

● Heat Map

Featuring various detailed configurations and intuitive time/space patterns, it visualizes visitor behavior which would greatly help the business intelligent management for smarter retail solutions.



Built-in statistical behavior analysis

Real-time Tracking
Easy Deployment



Detailed analysis report

Space Heat Map & Time Heat Map

Multiple Report Type

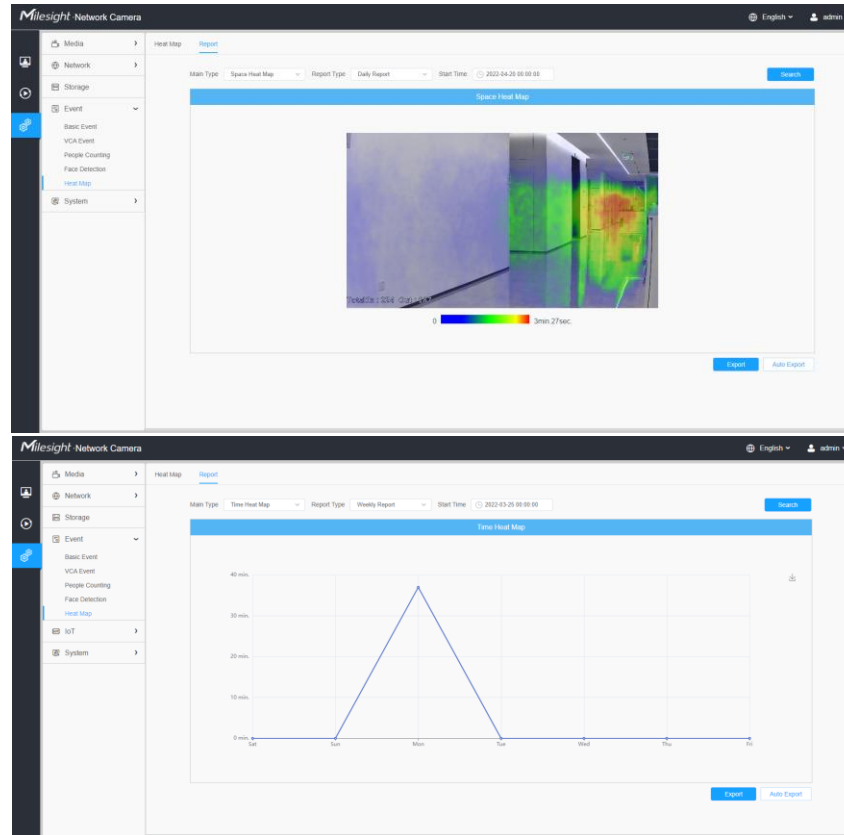


Typical Applications

Large Supermarket

Library

Airport



Settings | Event

• Fire and Smoke Detection

Timely detection of fire & smoke, effectively address a variety of environmental threats to human life, property and valued assets.



What makes Milesight Fire and Smoke Detection Stand out

- ✓ Milesight Fire and Smoke Detection module boasts an outstanding accuracy, effectively eliminating an overwhelming amount of false alarms.
- ✓ The [vision-based system](#), eliminates the need for regular and time-intensive turnarounds.
- ✓ Milesight offers a cost-effective function that can be applied in your projection solutions.



Versatile Application Scenarios



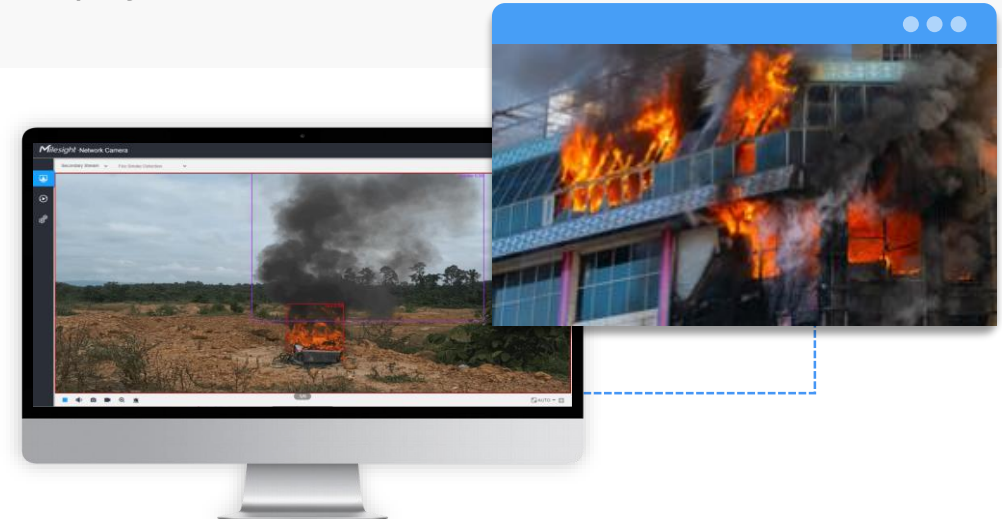
Gas Station



Urban Roads

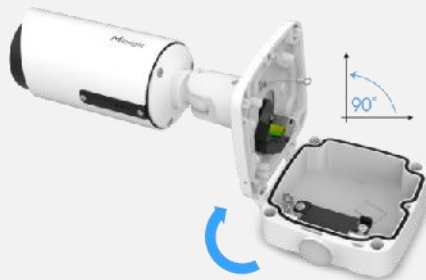


Buildings

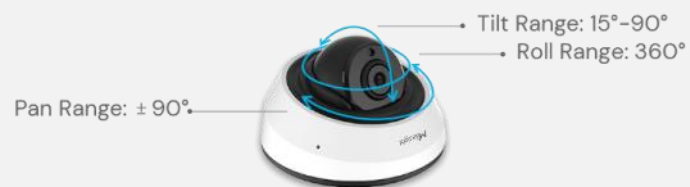


Design Concept for Easy Installation

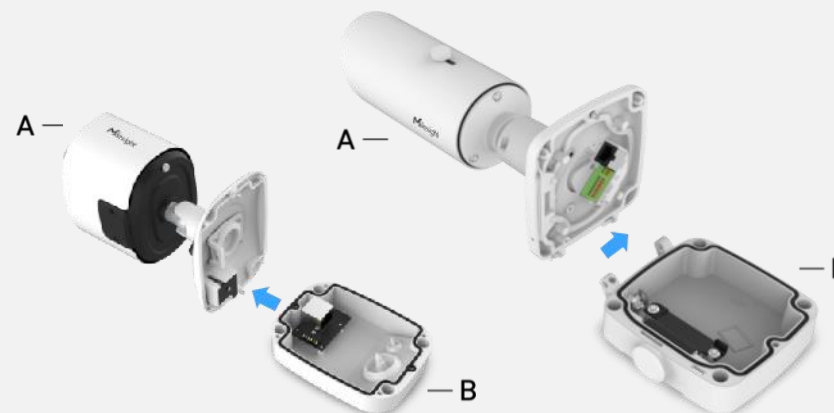
● Clamshell Design



● 3-Axis Mechanical Design

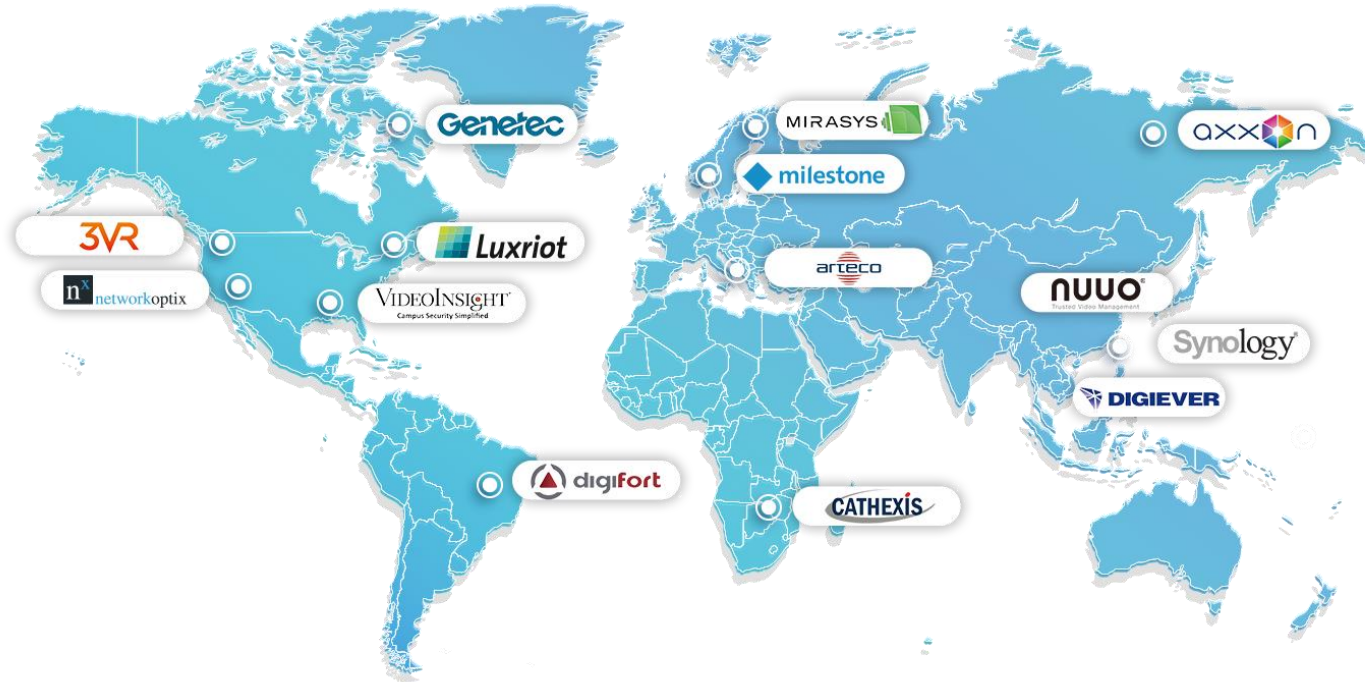


● Mounting Bracket



Extensive Compatibility

- Flexible Operation with the Third-party



- HTML5 Streaming Ready



- Digital Watermark Encryption



- ONVIF Profile G/I/S/T



- Security Certification



CONTENTS

03

▶ Network Video Recorder

▶ Introduction by Series

- NVR Series
- PoE NVR Series
- Key Features

Milesight NVR



Milesight 4K H.265 NVR Series offers a robust system for diverse applications and empowers to [configure and manage](#) advanced IP surveillance systems with [ease and extreme reliability](#). Based on cutting-edge technology, Milesight NVRs feature great user-experience in [video recording, live view and playback](#), bringing you the high-efficient and all-in-one solution.



4K H.265 Mini PoE NVR Series

- 4*PoE Ports
- 10TB
- 8-CH
- Dual Stream Recording
- ANR



4K H.265 Mini NVR Series

- 10TB
- 8-CH
- Dual Stream Recording
- ANR



4K H.265 PoE NVR Series

- 24*PoE Ports
- 4*10TB
- 48-CH
- Multi-video Output
- ANR/RAID



4K H.265 Pro NVR Series

- 8*10TB
- 64-CH
- Multi-video Output
- Dual Lan Giga Network Ports
- ANR/RAID/N+1 Hot Spare

Display

- **UHD Video Display**

- Synchronously decode up to
4-CH 4K UHD and 16-CH 1080P



- **Multi-video Output**

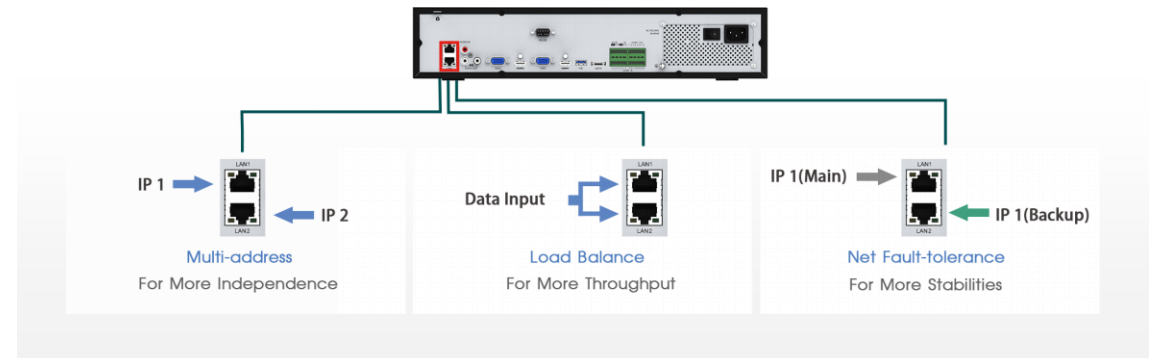
- **Independent Outputs:** Multiple outputs to display various channels independently
- **Synchronous Outputs:** Appoint the same channel to be displayed at different locations synchronously

Reliability

• Dual System

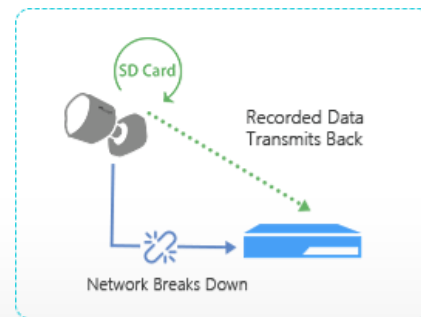


• Dual Lan Giga Network Ports

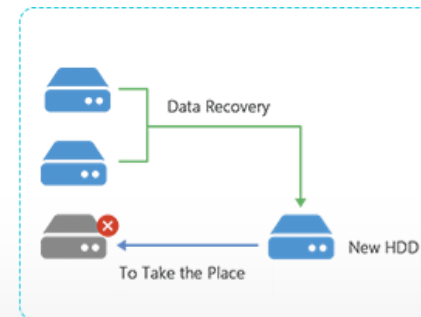


• Data Security

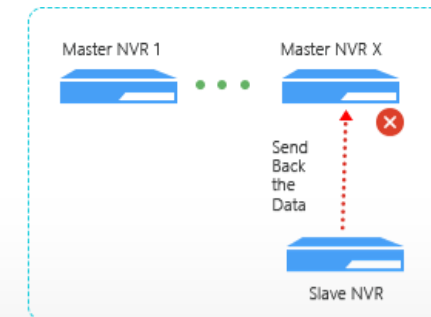
- ANR
- RAID 0/1/5/6/10
- N+1 Hot Spare



ANR



RAID 0/1/5/6/10



N+1 Hot Spare

Flexibility

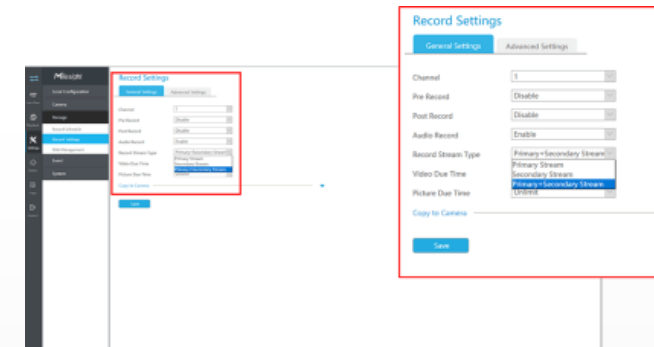
-  Plug and Play
-  Flexible Storage Options
- Transcoding

Guarantee **fluid video experience** especially for remote playback even in a poor network connection by **reducing the stream data** via lowering resolution, bit rate, or frame rate based on the CPU capabilities.



● Dual Stream Recording

Enable **simultaneous Primary Stream and Secondary Stream recording** for freely choosing the desired streaming based on the bandwidth available.



● HTML5 H.265 Streaming

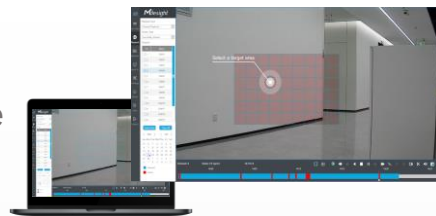
The preview of the multi-channel videos via all major browsers without downloading extra plug-in is realized when Video Codec is set to H.265, making it easy for users to access the NVRs.



Intelligent Management

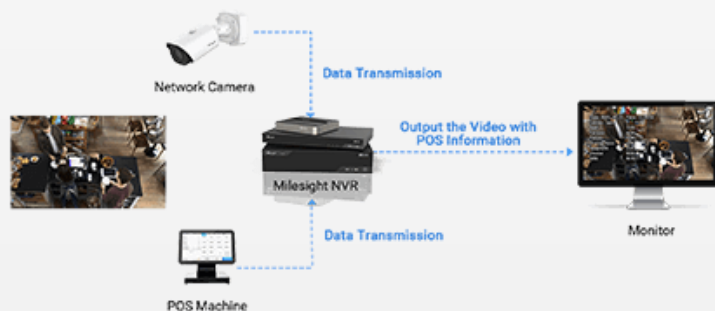
● Smart Search

Smart Search function allows to draw a specific region in the playback interface and **search out all relevant motion events** within the region. So the motion in different time period can be displayed in a **high-effective way**.



● Integrated POS Solution

The combination of retail transaction data with surveillance videos makes it easy to check goods settlement, miscalculation and missing calculation in the stores, supermarkets and other places, which is helpful to **boost customer service and in-store competitive advantage**.



● Enterprise ANPR Management

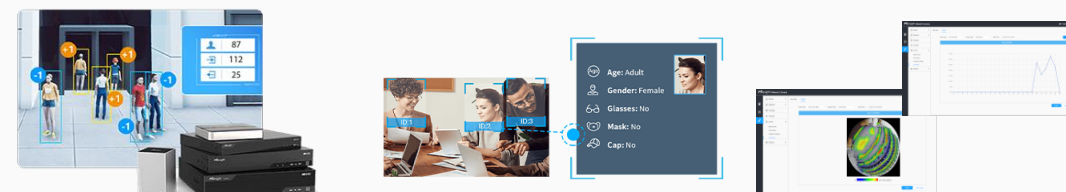


● Smart VCA Management



● Smart Analytics

- People Counting Solution
- Face Detection Management
- Heat Map Management



CONTENTS

04

► **Software Solutions**

- Milesight Smart Tools & APP
- Milesight CMS
- Milesight VMS

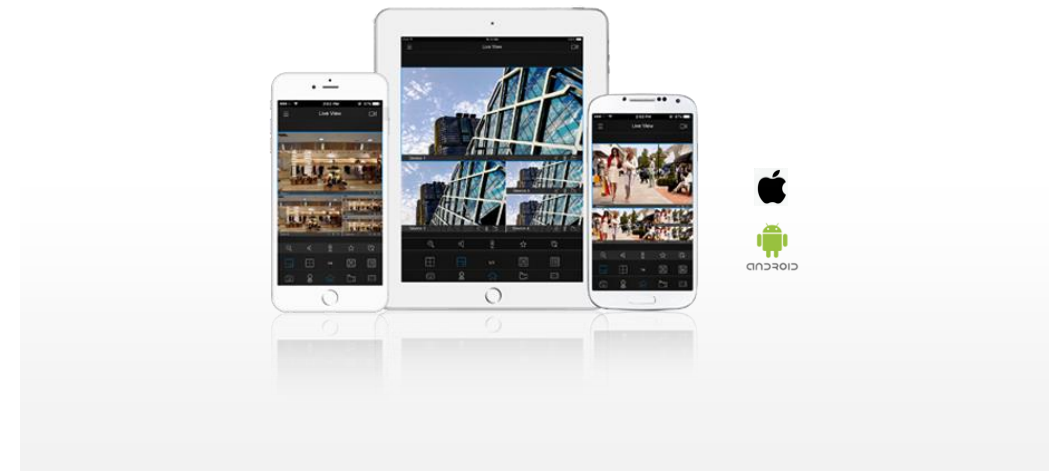
Software Solutions

Milesight



● Milesight Smart Tools

- [Batch Settings](#) for Network Cameras and NVRs
- Online [Batch Upgrade](#) for Milesight Devices
- [Quick and Precise Calculation](#)



● Milesight M-Sight Pro APP

- [Remote Control](#) of Network Cameras and NVRs
- Support Milesight [Cloud](#) Management
- Fully Compatible with Fisheye Camera & PTZ Camera
- Smooth and High Quality [Live Streaming](#)
- Efficient Split Playback with [4/9 Split Segments](#)

Software Solutions

● Milesight CMS



Live Video & Management

- Central Management System for Network Cameras and NVRs
- Support up to **256 Devices**
- **P2P&DDNS** Remote Connection
- **Up to 4 Monitors Output**



Vertical Solutions

- **Crowd Management Solution**
- **ANPR Solution**



Advanced Functions

- **Fisheye Dewarping**
- Milesight VCA
- Auto Tracking
- Two-layer E-Map



9 Display Modes: ○ ↔ ⇄ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Software Solutions

Milesight VMS Enterprise

On-server AI Intelligence · Advanced C/S Architecture · Live View · Playback
· Video Wall



Manage Anytime with
M-VMS Mobile



M-VMS

Why Milesight VMS Enterprise



Great Flexibility

- n Self-adaptive Layout
- n Custom Event Rule Settings
- n Multi-disk Recording



High-level Security

- n Customize Roles' Privileges
- n Encipherment Password Protection
- n Encrypted Video Files



User-friendliness

- n Multifunction Panels
- n Intuitive Interface
- n Superior UI Design



Excellent Reliability

- n N+M Failover
- n Priority Backup of Appointed Cameras
- n Lock of Important Video
- n Real-time Monitoring of Running Status



Maximized Extensibility

- n Smart Video Synopsis
- n Event & Alarm for Data Priorities Processing
- n Scalable Video Wall
- n Multi Monitors for Displaying



Intelligence

- n AI Deep-learning Video Analytics
- n On-server AI People Counting & VCA
- n Server-based ANPR Solution
- n Industry-leading Radar Technology

CONTENTS

05

► **Milesight Solutions**

- Milesight Traffic Solution
- Milesight Retail Solution
- Milesight 5G AIoT Solution

Milesight Intelligent Traffic Solution

What we offer | Illegal Parking Management

◆ Why Parking Management

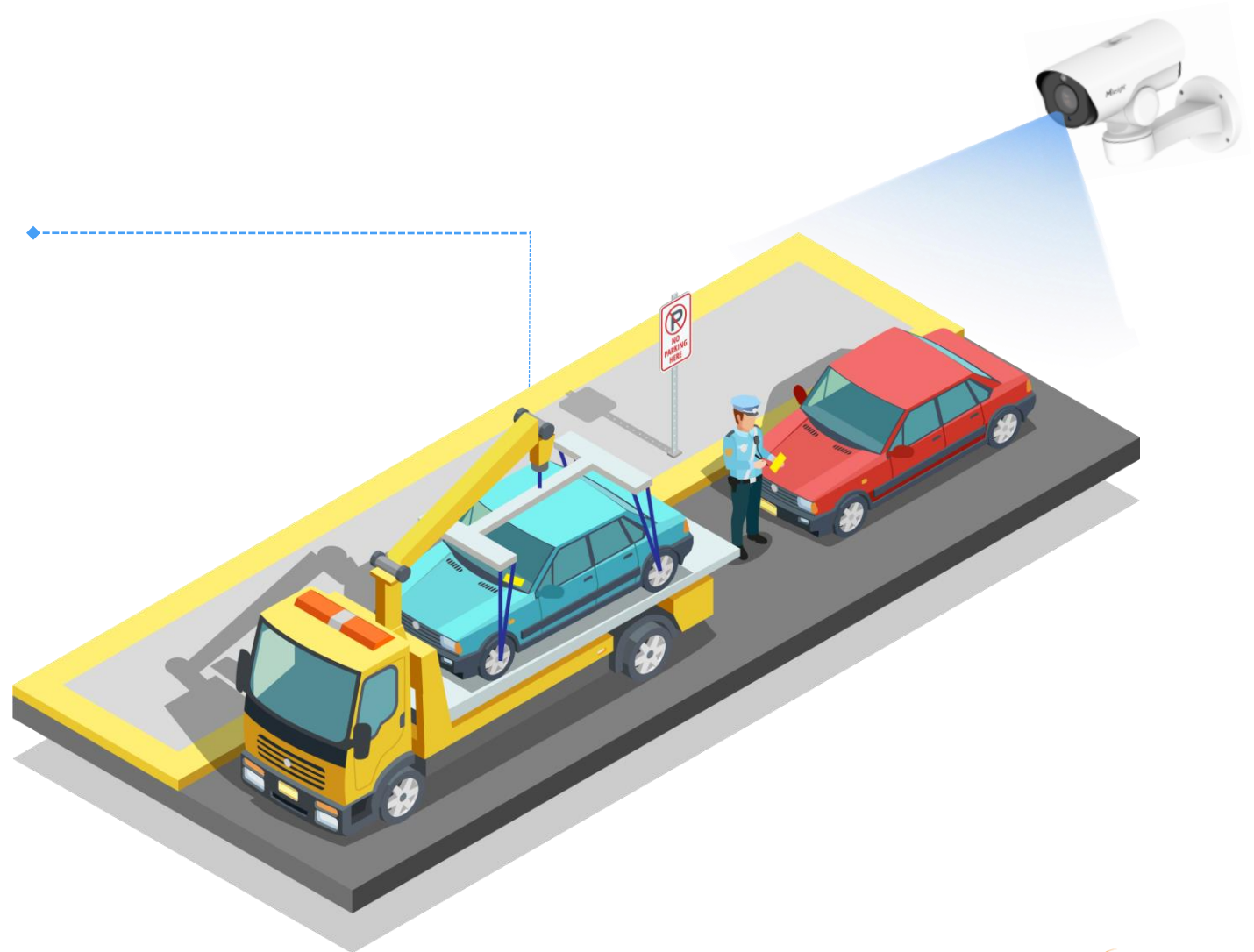
- Illegal Parking Leading to Traffic Accidents
- Increasing Demand for Efficient Parking Utilization
- Public Concerns over the Road Safety

◆ How does it work?

- Illegal Parking & Specific Lane Management
- Real-time Capture for **Illegally Parked Vehicles exceeding set time**
- Customized **Permitted Vehicles & Residence Time**

◆ What benefits you could get?

- Regulate Driver Behavior
- Protect the Rights of Drivers
- Maximize Road Safety
- Enhance City Management



Milesight Intelligent Traffic Solution

What we offer | Intersection Management

◆ Why Intersection Management?

- Frequent Traffic Accidents
- Ensuring Driver & Pedestrian Safety
- Increasing Demands on Road Safety



Reverse Driving



Red-light Running



Cross Line at Red Light



◆ How does it work?

- Embedded LPR for More Details
- Detection of [Red-Light Running](#), [Cross Line at Red Light](#) and [Reverse Driving](#)
- High-definition Violation Evidence Collection
- Searching by [Plate/Time/Type](#) of Violations.

◆ What benefits you could get?

- Real Time Monitoring
- Increasing the Efficiency of Transportation Systems
- Improving Road Safety in a Variety of Road Environments

Milesight Intelligent Traffic Solution

What we offer | Traffic Flow Management



◆ Technology Pain Points

- Traffic Jams during Peak Hours
- Increasing Demands on [Real-time Traffic Information](#)
- Public Concerns over the [Global Greenhouse Effect](#)

◆ How does it work?

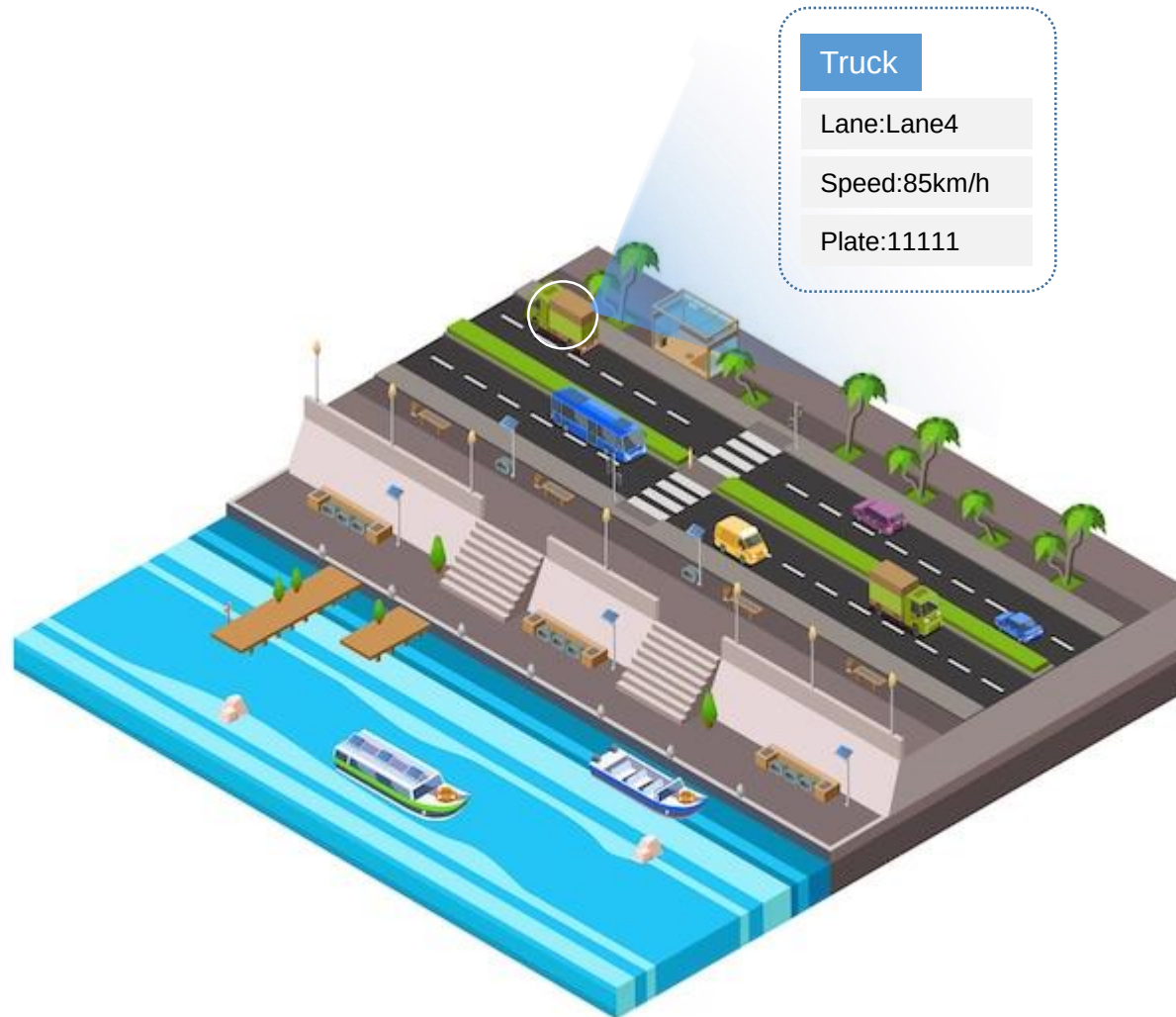
- Waiting Area /Dynamic Vehicle Counting
- [Vehicle Counting Based on Vehicle Type](#)
- Real-time Identification
- Well Compatible with 3rd Party Platform

◆ What benefits you could get?

- Reduce Violations & Congestion
- [Optimize Traffic Light Logic](#)
- Faster Response & Higher Effectiveness
- [Carbon Dioxide Emission Analysis](#) Based on Vehicle Type

Milesight Intelligent Traffic Solution

What we offer | Speed Enforcement



◆ How does it work?

- Real-time Speed Detection
- Accurate Instant Speed Measurement
- Measurement of **Multiple Vehicles in Different Lanes with High-precision 3D Radar**
- Excellent Capabilities in Various Types of Applications

◆ What benefits you could get?

- Better on-site Enforcement
- Various **Vehicle Attributes** for Detection
- Average **Speed Measurement/Setting** According to Different Vehicle Type
- **Reduces Accident Rates** throughout Entire Section
- Increases Law Enforcement Efficiency

Milesight Intelligent Retail Solution



Retail Solution - Shopping Area

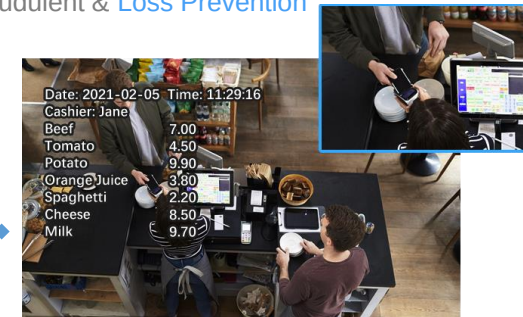
- 180°/360° Panoramic Viewing
- On-board/Client-side Dewarping
- Advanced [Heat Map](#), [Auto Tracking](#)
- [Various Reports](#) for to Help Grow the Business



Retail Solution - Check Counter

• POS Integration

- [IP-based](#) video POS integration for software transaction systems
- [POS Information Overlay](#): Combine POS text with the video in a customized interface
- [POS Search](#): Search the record by the keywords of POS transaction for event tracking
- Proactive Fraudulent & [Loss Prevention](#)



Queue Management •

- Support 4 Regions
- [Real-time Regional Statistics](#)
- [Display Length of Stay](#)
- [Analysis Report](#)
- Alarm Settings
- Linkage Trigger

Milesight Industry-leading 5G AIoT Solution

Milesight

Milesight industry-leading 5G AIoT solution utilizes the compelling features of **5G**, **AI** and **IoT** to bring more innovative possibilities for the future. Through the linkage with Milesight network cameras, we offer a wide range of **5G AIoT empowered solutions**, such as **smart city**, **smart agriculture**, **smart healthcare** and **smart mining**, etc.

- **Linked with Sensors**
Various Industries · LoRa 3~10km
- **Remote Operation**
Push Notification · Email · Recording · SIP Phone
- **Smart Actions**
Preset Position · Auto Tracking
- **Central Management**
Monitor · Data Collector · Batch Configuration



COHESIVE
Technologies

Milesight LoRaWAN Gateway



Semi-Industrial LoRaWAN® Gateway

High Compatibility

- Embedded Network Server
- LoRa Basics™ Station
- AWS IoT Core for LoRaWAN
- Compatible with Mainstream Network Servers



UG67 Outdoor LoRaWAN® Gateway

Features

- IP67 Rating
- 64-bit Quad-Core Processor
- New SX1302 LoRa Chip
- Built-in Supercapacitor
- Embedded Network Server

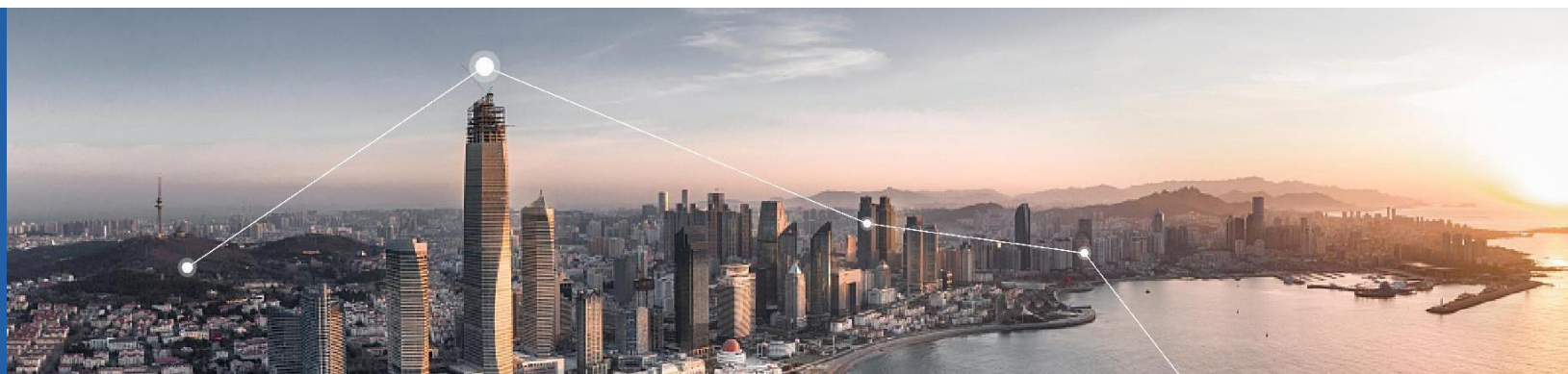


Better Inside, More in Sight 

Milesight True Occupancy And Smart IoT & E-Ink Display Solution

MILESIGHT

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Company Introduction

Introducing Milesight

04

Applications

Cell Phone Retail Displays

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Background

Challenges: Why Space Management Matters
Benefits: Why Choose Milesight Solution

05

Conclusion

Overall Conclusion
Q&A Session

03

Smart Space & Display Solution

Milesight Solution Overview
VS & DS Series Product Highlights

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01

COMPANY INTRODUCTION

Introducing Milesight

COMPANY PROFILE

Founded in 2011, Milesight is a fast-growing tech company delivering smart IoT and video surveillance products with a focus on AI, 5G, Sensing and IoT technologies since 2011. With improved sensing capability and advanced IoT insights, we help customers worldwide optimize their business operations in a more efficient and sustainable way. In collaboration with a global network of distributors and system integrators, we are committed to building open ecosystems and accelerating IoT strategies to the next level.



AIoT

Solution
Provider



120+

Serves to 120+
Countries and Regions



600+

Employees



2000+

Distributors and
System Integrator Partners



2

2 Product Lines: Video
Surveillance and IoT



60M+

Annual Turnover of
60+ Million USD



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02

BACKGROUND

Challenges: Why People Counting & Occupancy Status & Digital Display Matters

Benefits: Reasons to Choose Milesight Solution

CHALLENGES: WHY UTILIZATION DATA AND DIGITAL DISPLAY MATTERS

Poor space utilization and paper-based display can result in



Inefficient Use of Space

- Space waste or overcrowding
- Costly maintenance and reduced employee productivity

Difficult for Future Planning

- Inadequate statistics and non-real-time data can be difficult for organizations to make informed decisions about resource allocation

Unnecessary Energy Consumption

- Negative impacts on resource usage and environmental protection
- Paper-based offices/premises contributing to environmental degradation

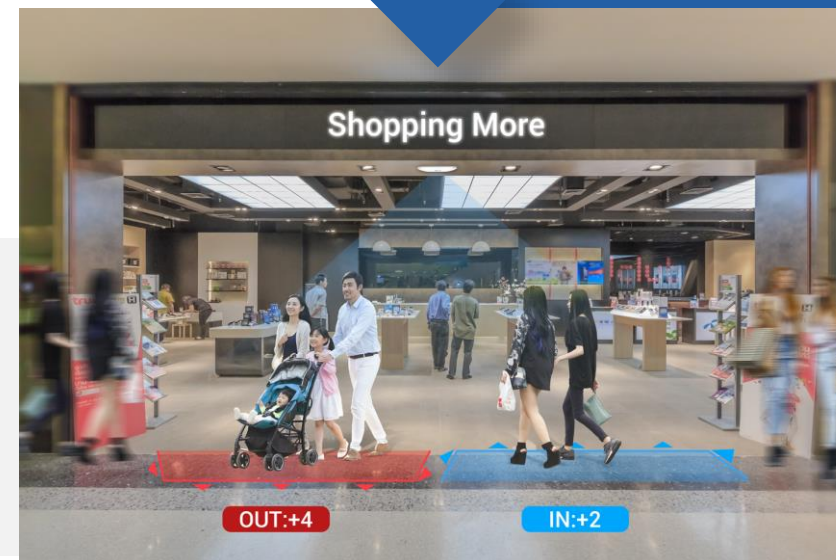
BENEFITS: A NUMBER OF REASONS TO CHOOSE MILESIGHT SOLUTION

➤ Count, Display, Understand, and Gain Insights

- Get **Accurate** Information Timely
- Make **Data-based** Decisions
- Better Understand **Space Utilization**
- Optimize **Operational Efficiency**
- Efficient **Energy Management**
- Modern, Digital, and **Paperless** Office



Understanding how many people are there in an area at any time and how they move, where they congregate, and periods of peak occupancy **provides valuable insight.**



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03 MILESIGHT TURE OCCUPANCY & DIGITAL DISPLAY SOLUTION

Milesight Technology & Product Overview

Occupancy&People Counting Series & Display Screen Series Highlights

AN IOT DAY IN SMART OFFICE OF MILESIGHT



Milesight Office Building

Dining Room

- VS341 sensors **measure seat&desk occupancy** in the dining room;
- Displaying available seats on TV screens for easy desk finding;



Lobby & Showroom

- DS7610 enables visitor **check-in and meeting room reservation**;
- Sensors VS133 track **visitor traffic and calculate utilization rates**;



Main Entrance

- Sensors VS133 provide **people counting** statistics for total number, **staff and children/adults**;
- **HVAC system** control and light control automation



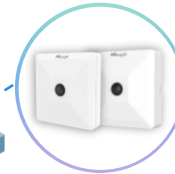
Anonymous Management in Small Space

- **Real-time usage** of each cubicle in bathroom for cleaning schedule;
- Report occupancy status of our **phone booth** for better utilization



Conference & Meeting Room Utilization

- The AI workplace sensor VS121&VS121-P monitors **room occupancy and counts attendance**;
- Linking with DS7610 to **display reservation and usage information**;



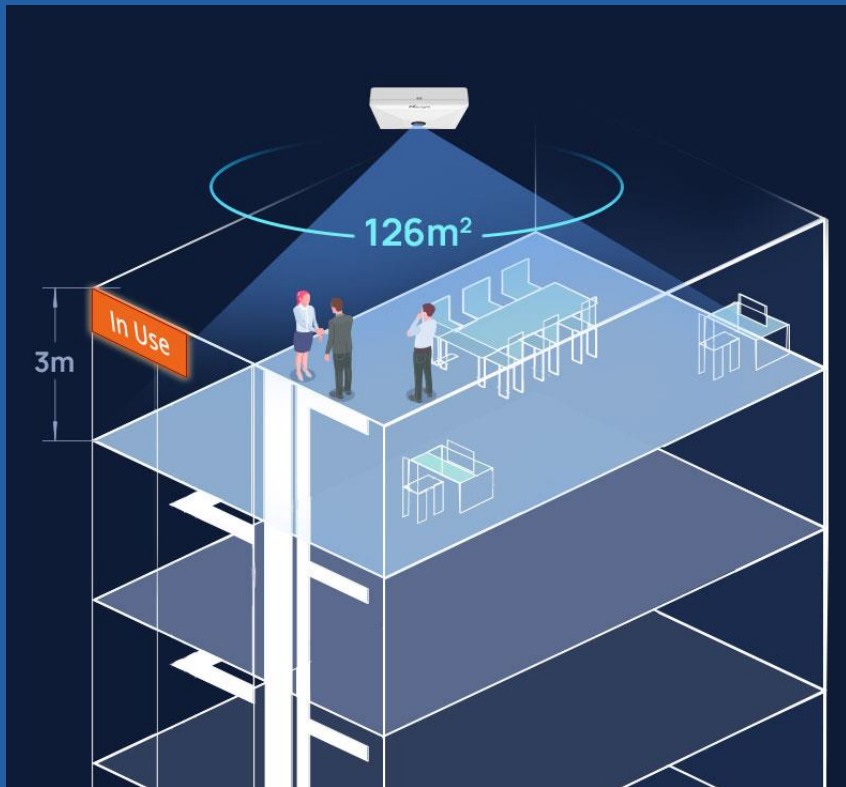
Work Station Occupancy Detection

- Real-time desk occupancy sensors VS340 detect **workstation usage** and release;
- Linked with IoT Display DS3604 for **check-in and check-out** processes, as well as **displaying employee information**.



VS121&VS121-P AI WORKPLACE OCCUPANCY SENSOR

Explore the Potential of Workplace



Milesight

> Product Description

AI Workplace Occupancy Sensor VS121 is able to realize **space occupancy** detection with high accuracy up to 98%. It can measure how many people use a space.



Advanced AI Algorithm



User-Friendly Privacy Protection

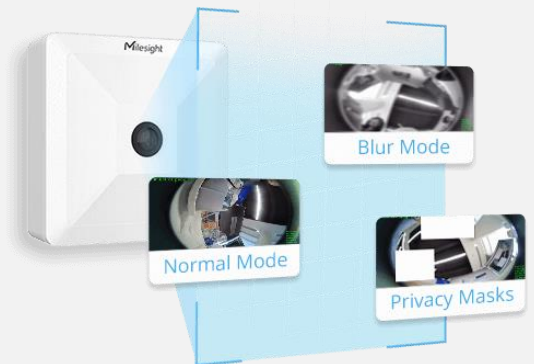
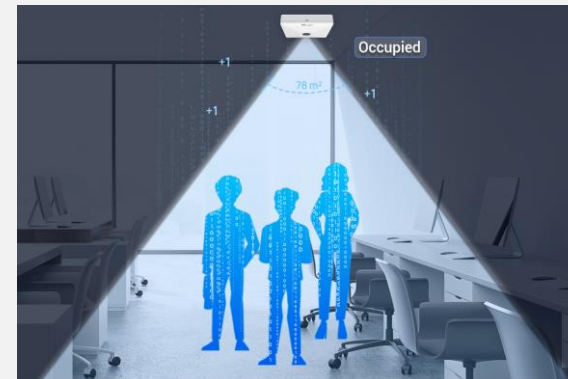


Up to 98% High Accuracy



Multi-detection Modes

Region People Counting
Line Crossing Counting
People Flow Analysis

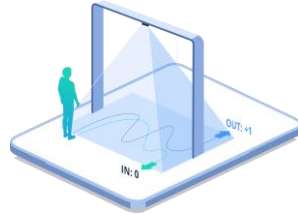


VS121&VS121-P AI WORKPLACE OCCUPANCY SENSOR *Milesight*

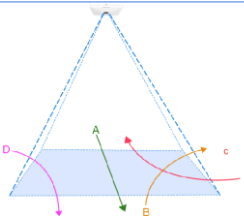
Explore the Potential of More Applications



Region People Counting



Line Crossing Counting



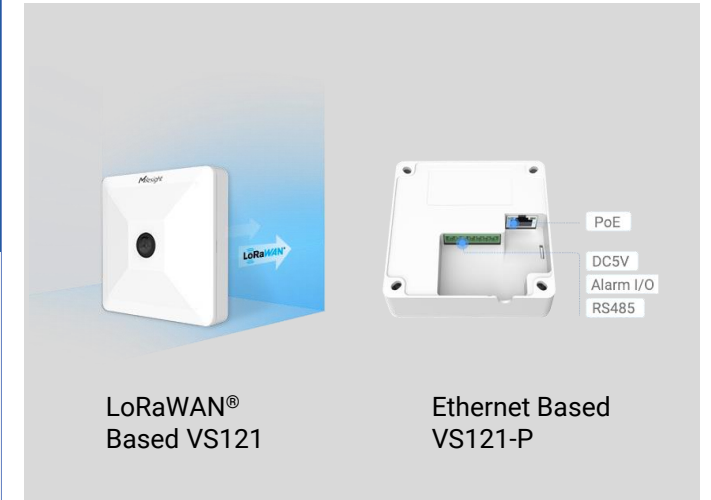
People Flow Analysis

The region people counting fits very well for **optimizing workplaces utilization**; The line crossing counting works effectively in **entrances for various scenarios**; The people flow analysis helps a lot in **shopping mall to make data-based marketing strategies**.



Higher Ceiling Mount Version

The higher ceiling mount version breaks the barrier of the limited installation, allowing deployment **up to 7 meters**. Ideal for **airport, trainstation, shopping centers, building lobbys etc**, it enhances practicality and flexibility in various scenarios.



**LoRaWAN®
Based VS121**

**Ethernet Based
VS121-P**

Optional Transmission Ways

Dual versions for data transmitting through **LoRaWAN® or Ethernet to fit different network requirements**, plus VS121-P is also equipped with **Alarm I/O and RS485** and users can ask for **video stream** for further analysis on their own platform to extend to more applications.



VS133&VS133-P AI TOF PEOPLE COUNTING SENSOR

Unparalleled Accurate Counting & Smart Identification

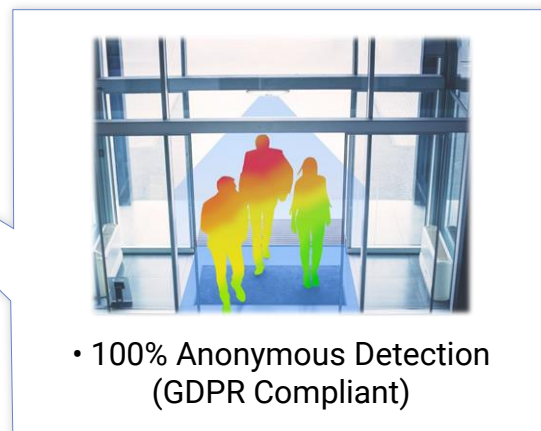
Milesight



- Multi-lines Bi-Directional People Counting



- Adults/Children and Staff Differentiation



- 100% Anonymous Detection (GDPR Compliant)

2nd Generation ToF Technology

VS133 sensor utilizes advanced ToF technology for higher accuracy, **stronger performance**, and adaptability to enhance its wide range of applications, and it will not form any RGB image to realize **100% Anonymous Detection and GDPR Compliant**.

On-Board AI Algorithm

Thanks to the embedded Advanced AI algorithm, the VS133 sensor allows customizing **multiple counting lines** and **filtering unnecessary counts**.

Superior Recognition Performances

VS133 sensor recognizes specific categories of individuals including **staff detection** and **adults/children differentiation**.

Strong Universality

VS133 sensor performs well in all lighting conditions including **low light**, **completely dark** indoor environments, and harsh outdoor environments with **strong sunlight**.



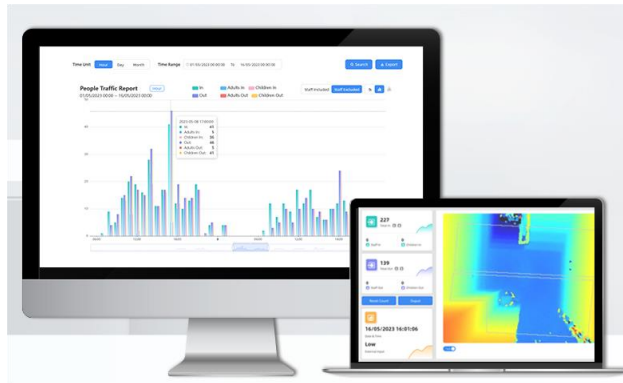
VS133&VS133-P AI TOF PEOPLE COUNTING SENSOR *Milesight*

Great Design to Meet Users' Needs and Expectations



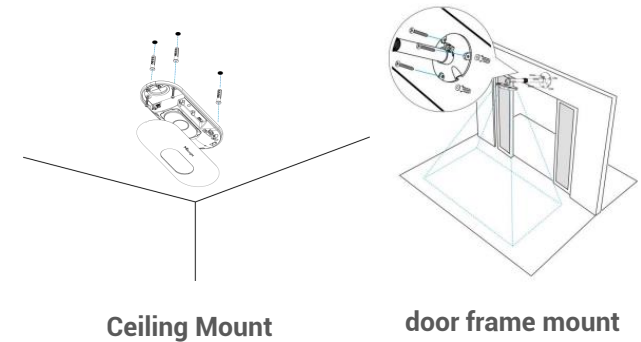
Optional Transmission Ways

Dual versions for data transmitting through **LoRaWAN®** or **Ethernet** to fit different network requirements, plus VS133-P is also equipped with Alarm I/O and RS485 and compatible with Milesight Devicehub for remotemanagement.



Vivid and Convenient Data Report

The sensor is equipped with the **4GB Flash** of storing **a million data locally** to enables users to check and track long-running statistics, at the same time, **data reports** can be shown on the Web page and support download.



Flexible Installation

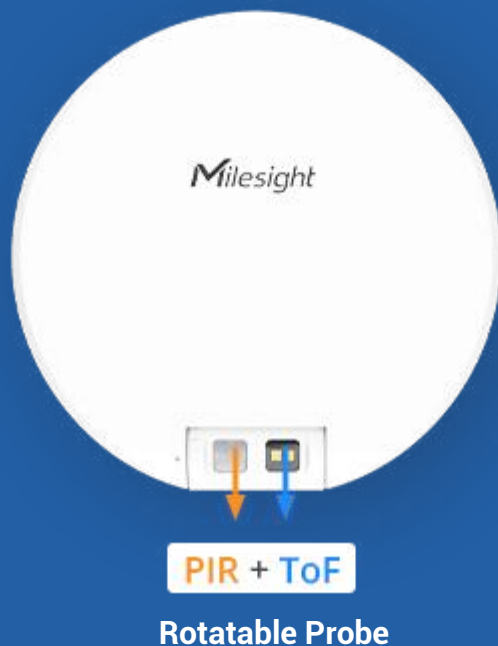
Support **ceiling and lintel mount**, the AI ToF People Counting Sensor VS133 flexibly fits diverse application scenarios with **up to 4m** installation height. (with optional **VB 01 bracket**)



VS330 SMART OCCUPANCY SENSOR

ToF PIR LoRaWAN

Enable Analytic Work



Milesight

> Product Description

VS330 sensor, combining **ToF and PIR** detection, solves the ultimate difficulty in small public spaces at ease, providing a **faster response** of cleanliness and guidance.



100% Anonymous
(GDPR Compliant)



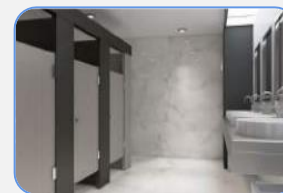
Ultra-low Power Consumption
(Minimum. 4 years)



Self-calibration Algorithm



Industry-leading Accuracy
(Exceeding 99.5%)



Restroom



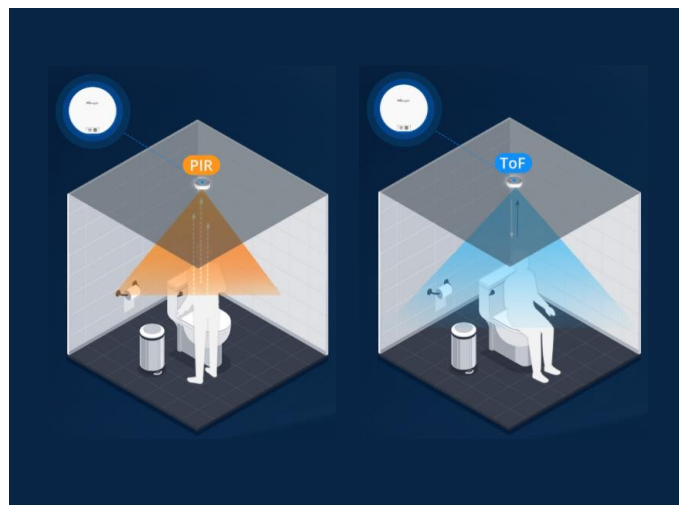
Phone Booth



Small Meeting Room

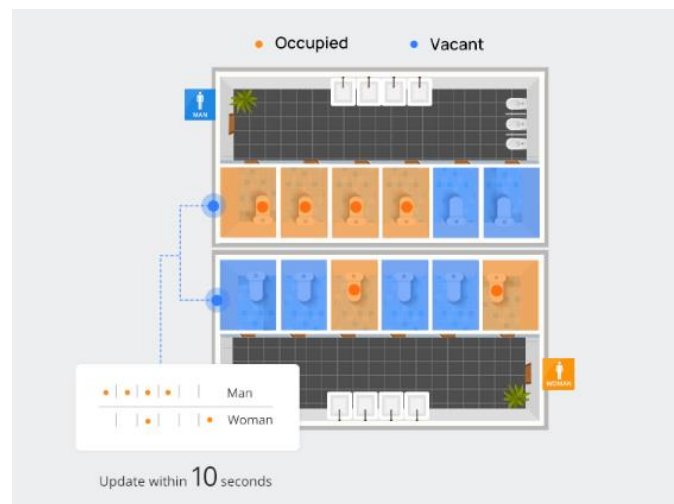
VS330 SMART OCCUPANCY SENSOR

Enable Analytic Work



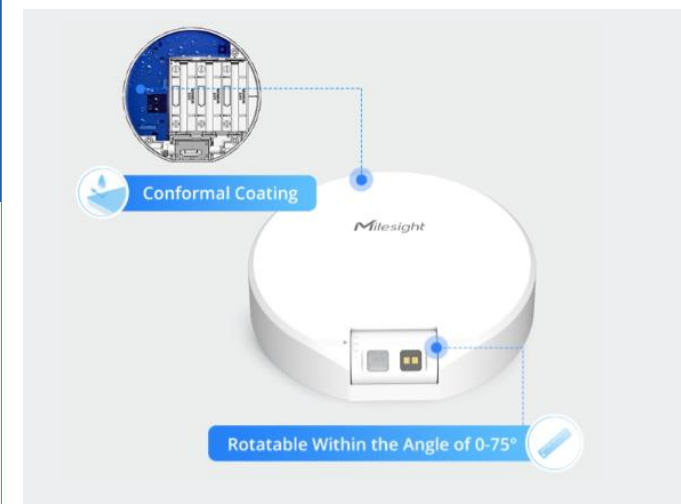
Smart Trigger Logic by PIR + ToF

By combining PIR motion detection for human beings with ToF distance measuring, the VS330 sensor maximizes **accuracy and energy efficiency** while ensuring complete anonymity.



Real-time Update & Response

When users enter or leave the bathroom, PIR is triggered firstly and then ToF technology will be used to collect data at a **5-second** interval to realize prompt updates on status.



Artful Design

Its **rotatable probe** can be adjusted from 0 to 75 degrees, minimizing the detection of blind spots. The **conformal coating** on the PCBA protects the sensor from moisture damage.



VS340 & VS341 DESK AND SEAT OCCUPANCY SENSOR

Support Hybrid Workplace Experience



VS340 Standard Version



VS341 Pro-version

Coming Soon...

73*73*22mm

Product Description

Installed under desks or seats and triggered by **PIR motion** and/or **heat**, then VS340/VS341 sensor provides data on occupancy to optimize seats utilization and better guidance, enabling activity-based work environments.



V0 Grade Flame Retardant



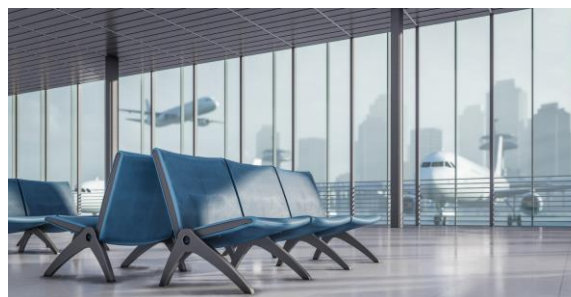
Long Battery Lifetime (> 3 years)



Lower Latency



Up to 98% Detection Accuracy



Airport



Library & Reading Room



Food Court



Shared Desk Workplace

VS340 & VS341 DESK & SEAT OCCUPANCY SENSOR

Support Hybrid Workplace Experience

VS340 Standard Version



VS341 Pro-version



Maximize Applications Compatibility

- High-precision PIR sensor
- Work effectively for optimizing fixed desk utilization
- Thermopile temperature detection technology + high precision PIR sensor
- **Ultra-low Latency**
- Effectively report occupancy status in **real-time**



Field of View Adjustment

Adding different covers, the sensor supports PIR field of view adjustment to a customizable field of view to adapt to different application scenarios.

DS7610 - IOT DISPLAY



Milesight

Tap into Smart IoT Solution

Outstanding Performance

- Built-in LoRaWAN® Gateway & Network Server
- Multi-interfaces by Optional Docking Station (DI/DO/RS485) for Integration
- Wi-Fi, Bluetooth, Ethernet Connection

User-friendly Features

- **Smart Screen Mode** (screen's brightness adjustable / turn-off screen)
- 10.1 Inch Capacitive Touch Screen with **Traffic Light Indicator**
- **Built-in Speaker** for Multimedia & Alarming
- Multiple power sourcing via **PoE / Type-C / DC**



Third-Party Android Applications

Powerful Hardware

- **2GB+16GB of internal memory** for most applications
- RK3566 Quad-core 64-bit processor features frequency up to 1.8GHz

Various Scenarios

- Digital Signage/Digital Classroom Board
- Visitors Appointment Systems
- Meeting Room Booking System
- Smart Restroom Management System
- Support **NFC-enabled** applications (Visitors Verification, Room Check-in/out)



DS3604 - IOT E-INK DISPLAY

Going Paperless for More Efficient and Sustainable Operations

➤ Amazing Features

- 4.2" E-ink Screen Featuring **Red/White/Black** Color Display
- 400 × 300 Pixels Display with Near **180° Viewing Angle**
- **Bi-stable Display** Retaining Images Even Without Power
- **Text, Image and QR Code** Are Offered and Customizable
- **150 Languages** Available, up to **5 Years Battery** Lifetime

➤ Easy Management & Maintenance

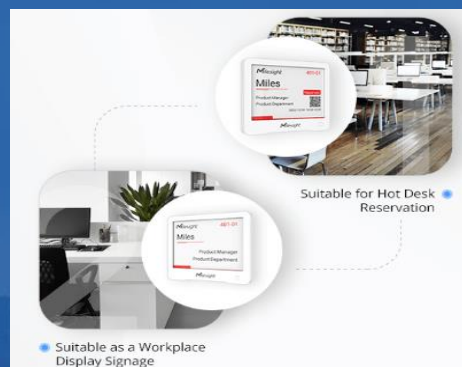
- Support **Multicast** Feature for Remote Configurations in Bulk
- **Remote and Local** Quick Modification of the Displayed Content
- **Open API** and a LoRaWAN® Button Enable Various Applications
- Pre-customized Templates Are Flexible for Different Scenarios including **Workplace, Hotel, Hospital, Retail Store**, Etc.



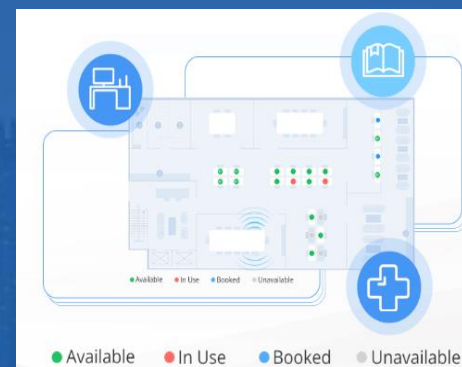
Customized Templates



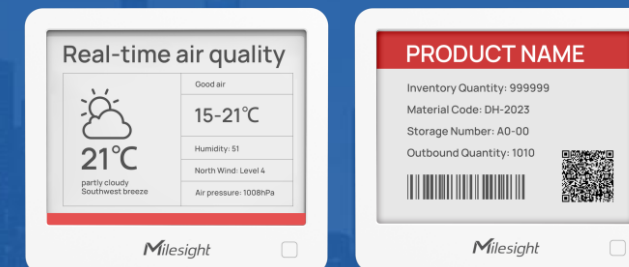
Two Default Templates



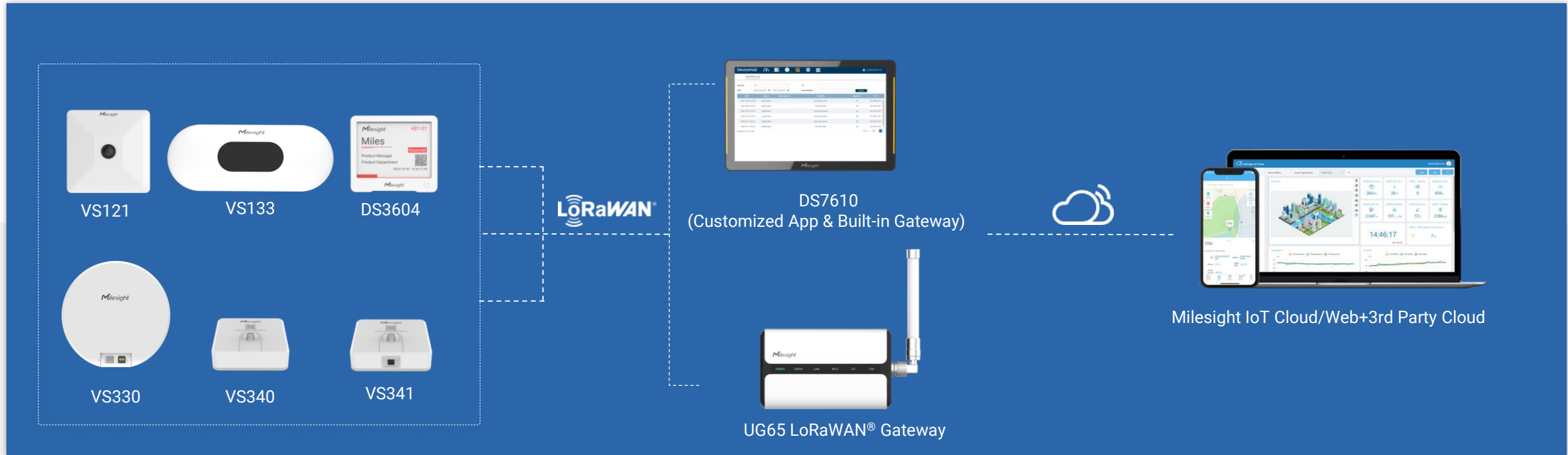
API for Software Integration



Diverse Scenarios



TOPOLOGY DIAGRAM



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04

APPLICATIONS

Milesight Ture Occupancy & Smart IoT& E-Ink Display Solution

SMART DEVICES AND IOT ARE RESHAPING THE RETAIL INDUSTRY

Data-based Marketing Strategy

Above 99% accuracy in traffic counting of visitors with staff exclusion and adults/children recognition thanks to the state-of-the-art 3D ToF, AI-enabled sensors



Space Utilization



Understanding the flow of people in concerned areas and the current number of occupants is important data for retail industries

IoT & E-Ink Display

Larger format price signs, product information shelf labels, and branded shelf stoppers present a sophisticated option for promoting brands and highlighting product features



People Flow Tracking

Count people **in and out** to get people flow statistics for further analysis; **People flow analysis** method based on **direction** counting is used to reinforce an area's security and improve movement comfort.



Centralized Monitoring & Management

The IoT Display device is an effective tool for collecting customer data. It enables businesses to gather valuable insights about their customers and improve their services by creating surveys. Additionally, remote access to live data feedback saves time and allows for quick decision-making.



COUNTING SYSTEM AND IOT & E-INK DISPLAY ARE TRANSFORMING MUSEUMS

Digital Signages

- Upgrade the visitor experience and simplify the day-to-day staff activities;
- Summarizing a description of the exhibits in a paperless way;

Occupancy & Flow Analysis

- Track the movement of patrons in different exhibition zones;
- Area counting provides detailed analysis of patron engagement in each exhibition zone;

Entrance Door Counting

- Measuring the number of visitors enter the museum
- Object classification - Differentiate between adults, kids and workplace staff

Facility Management

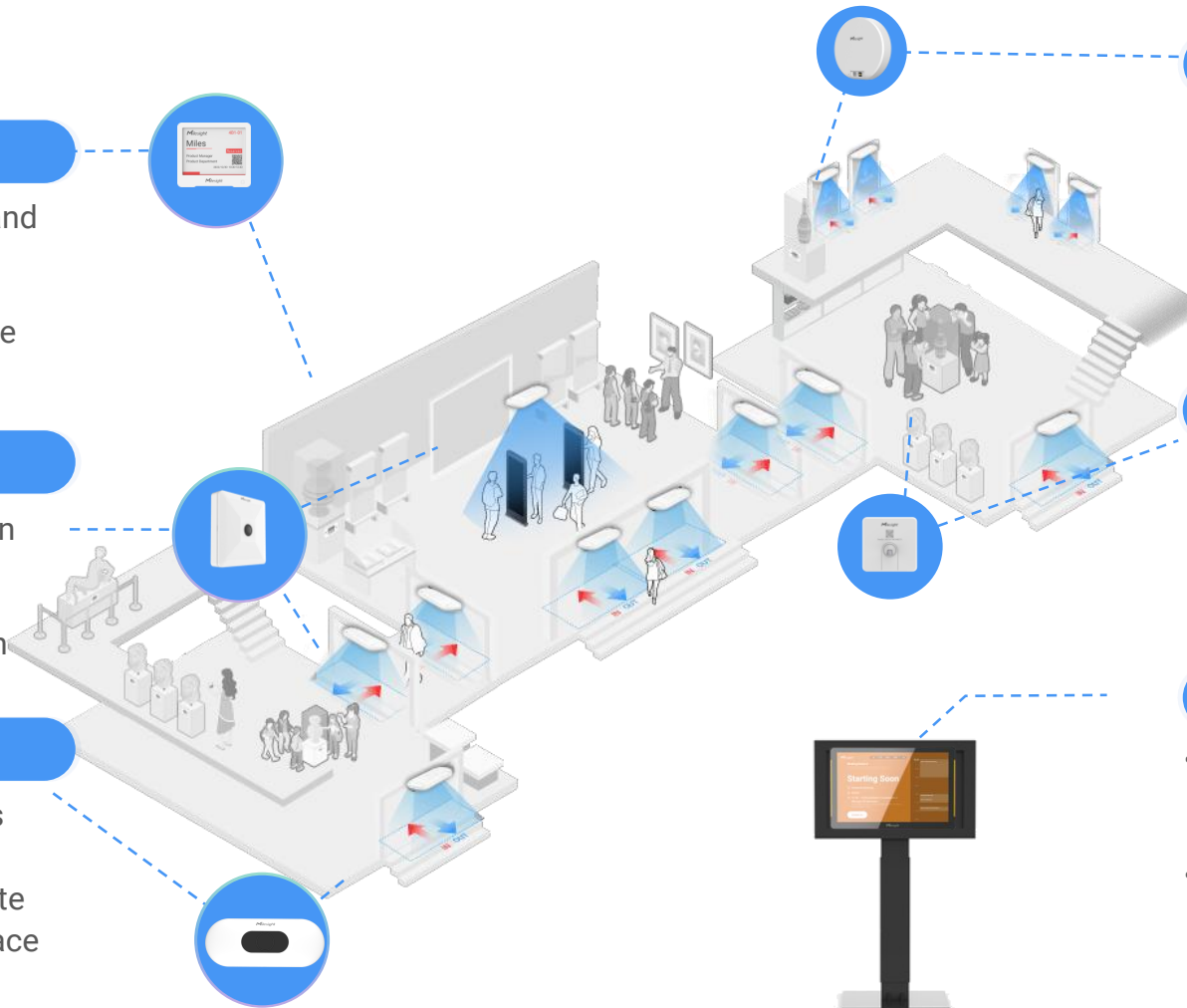
- The system integrates with a mobile application to help visitors locate available spots of restrooms using real-time occupancy data displayed on screens.
- Staff allocation planning quantifies facility usage to optimize maintenance scheduling.

Desk/Seat Occupancy

- Sharing desk occupancy data online or via an app reduces frustration and eliminates the need to hunt for available desks.
- Cleaning services focus on when and where they are needed.

Interactive Museum Displays

- Interactive digital displays provide a memorable touch and feel experience for visitors.
- A screen management software can facilitate publishing a vast range of content, such as the schedules of various shows, events & activities, or booking capability.



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05

CONCLUSION

Product Overall Conclusion

Q&A Session

VS & DS SERIES COMMON HIGHLIGHTS

Compliant with **GDPR**

Counting & Occupancy

Integrate with Third Party's Platform

100% Anonymous Detection

High Accuracy

Energy Saving

Real-time Insight

Paperless Display

Effortless Management

CONCLUSION

VS121&VS121-P



- Ø Optimize space utilization and help to make smarter marketing strategies for greater benefit
- Support multiple detection modes
- Reach up to 98% Accuracy
- Cover up to 78m² Large Area



VS133&VS133-P



- Ø Smarter decisions and better guidance based on people counting and identification of staff, children and adults
- 2nd ToF & on-board AI algorithm
- 100% Anonymous Detection
- 99.8% Ultra-high Accuracy



VS330



- Ø Real-time detection of bathroom occupancy to trigger cleanness and better guidance
- 100% Anonymous Detection
- 99.5% Industry-leading Accuracy
- Ultra-low Power Consumption



VS340&VS341



- Ø Optimize seats or desks utilization in various scenarios either workstation or foodcourt.
- Adjustable field of view
- 100% Anonymous Detection
- 98% High Accuracy



DS3604



- Ø Enable paperless display and can be integrated with 3rd party system such as desk booking system, check in system to realize smart control.
- Dual customizable display modes

DS7610



- Support developing multiple interaction display based on SDK and making cost-effective IoT solution based on built-in gateway(NS).



Better Inside, More in Sight 

SMART RESOURCE MANAGEMENT

OPTIMIZE MANAGEMENT AND MAKE RESOURCE COUNT

MILESIGHT

SENSING INSIGHT MAKE PHYSICAL WORLD BETTER



Sense

Ingest the original environment from the sensing devices, whether they are network cameras or environmental sensors.



Understand

Through IoT technologies, convert the original resource into visualized, automated, and value-added data that is critical to the physical world.



Interact

Massive critical information about the environment gathered becomes insights. The outcome, such as decision-making and future planning, tells us how to create a more efficient and intelligent world.

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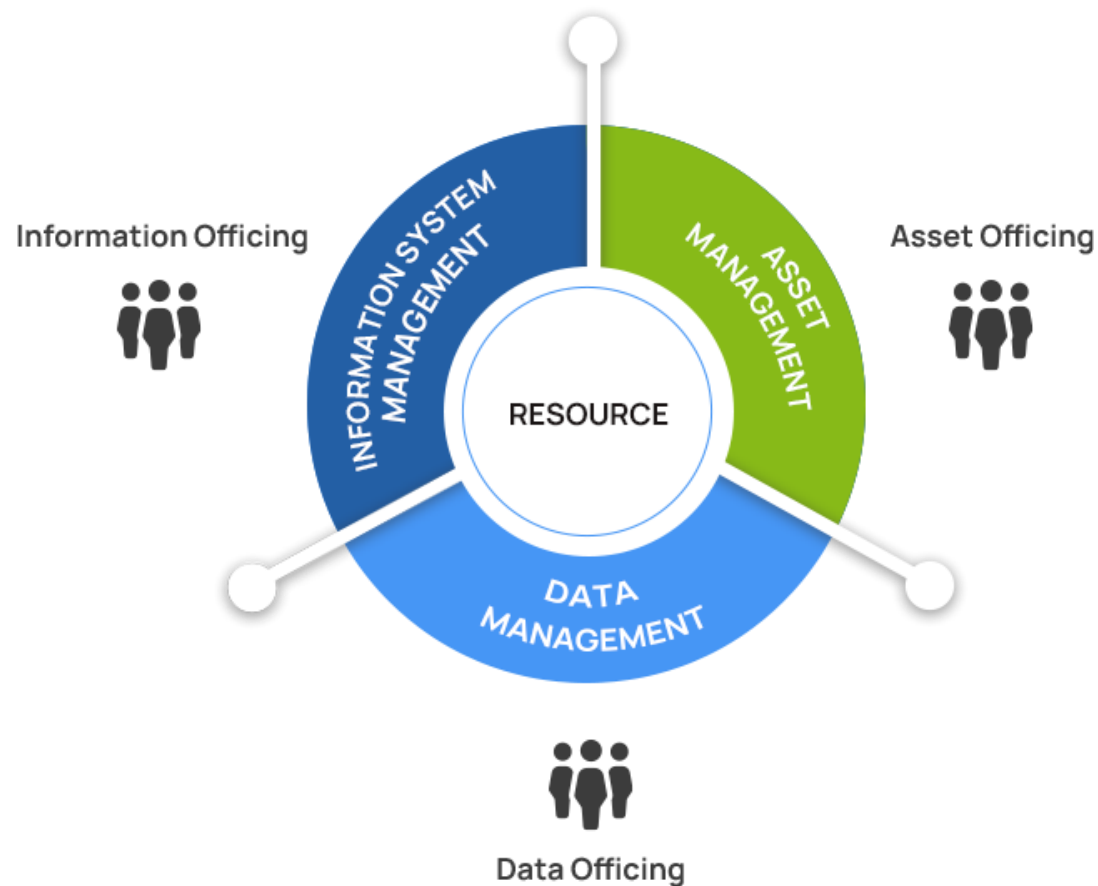
02

WHY MILESIGHT SOLUTION?

- Why is Resource Management Important?
- Milesight Smart Resource Management Solution

RESOURCE MANAGEMENT IS IN NEED

Resource is crucial especially for the business managers, every wastage might affect its efficiency. Therefore, a business must implement meticulous resource management practices to obtain maximum efficiency.



DIFFICULTIES IN RESOURCE MANAGEMENT

EXISTING PROBLEMS OF CAHOTIC RESOURCE MANAGEMENT



Disorgnized Waste Management

- Unable to **allocate cleaning staff** properly
- Unable to **check the status** of the Trash bins
- Unable to **avoid unexpected situations** like foul smell and catch fire



Over-used Energy in Workplace

- **High cost** on electricity fee and no idea the reason
- **Hard to monitor** the energy consumption
- **Difficult to appeal to** turn off light & AC when leaving



Cargo Damage Causes Money Loss

- **High reliance** on Human Inspection
- **Difficult to Manage** the environment-sensitive commodities



Waste Time to Park

- **Hard to find** the Parking Spot
- **Lack of data** to Manage the Parking Lots

SMART RESOURCE MANAGEMENT

Resource Management is defined as the management, control and supervision of resource like the **waste resources, energy resources, parking resources, and storage resources** in a single floor, multiple floors or a building.

➤ Smart Resource Management Requires

- Fast Reponse
- Manage Timely
- Allocate Resources Properly



- Remote Control
- Energy Saving
- Higher Efficiency

- Object Status Monitoring
- Quality Monitoring
- Emergency Report



- Occupancy Detection
- Allow for Data-based Decisions

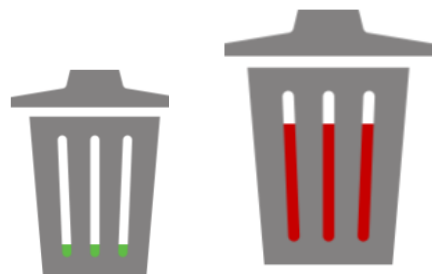
ABOUT MILESIGHT SOLUTION

LoRaWAN® Differentiations & Advantages



MILESIGHT SOLUTION'S FOCUSES

Smart City



Trashbin Management

- **Warn** cleaning staff **timely**
- **Allocate** cleaning staff **efficiently**
- **Support** databacked **decisions**



Cargo Management

- **Monitor** the status **remotely**
- **Prevent** negative affect
- Send alarms **in advance**



Electricity Management

- **Save** unnecesary electricity **cost**
- **Manage** the usage **remotely**
- **Keep upgrading** resource allocation



Parking Management

- Help with **managing the space**
- **Save time** in finding space
- **Data collection** for analysis



MILESIGHT SOLUTION

Provide a Remote Controllable and Manageable Solution

Milesight

➤ Trashbin Management

- **Advanced technology** provide **high recognition rate** to detect the fill level
- **Different field angles** for matching multiple-type trash bins
- **Advanced cleaning alarm system** with **higher efficiency** and better experience
- Large-capacity battery and low power consumption **expands its working life**
- Upgraded enclosure with **IP67 waterproof** extends their applications



01

ToF Laser Distance Sensor



EM400-TLD

02

Multifunctional Ultrasonic Distance Sensor



EM400-MUD

03

Ultrasonic Distance/Level Sensor



EM310-UDL

MILESIGHT SOLUTION

➤ Trashbin Management

01

Ultrasonic Distance/Level Sensor Sensor EM310-UDL



- **3 - 450cm** Detection Range with **Small Blind Spot**
- High **Cost-effective**
- Sense **Fill Level & Tilt Situation**
- For **Medium or Large** Trash Containers

02

Multifunctional Ultrasonic Distance Sensor EM400-MUD



- **3 - 450cm** Detection Range with **Small Blind Spot**
- Stable Transmission
- **3** Switchable **Pre-set Modes**
- For **Medium or Large** Trash Containers

03

ToF Laser Distance Sensor EM400-TLD



- **2 - 350cm** Detection Range with **Ultra-Small Blind Spots**
- Sense **Spontaneous Combustion**
- For **Small** Trash Containers

MILESIGHT SOLUTION

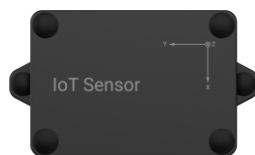
Quality Control During Storage and Transport

Ultrasonic Distance Sensor

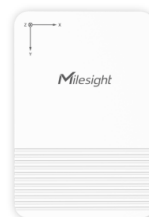


EM400-UDL

Tilt Sensor



EM310-TILT



EM320-TILT

> Gesture & Status Monitoring

- **Manage** the commodity **remotely**
- **Monitor** the commodities' status and **send alarm timely**
- Collect data for **further analysis** and data-based decisions
- Work well in harsh environment with **compact size** and **IP67 waterproof**
- **Easy configuration** (via NFC)

> Temperature & Humidity Monitoring

- Focus on **specific scenarios** with special design
- Control the temperature of the environment smartly
- **Ultra-low** power consumption
- Allow for **remote control** and data-collection
- Easy configuration and deployment
- Cloud data management via **Milesight IoT Cloud**

Insertion Temperature Sensor



TS101

Temperature and Humidity Sensor



EM300-TH



EM320-TH

MILESIGHT SOLUTION

Gesture and Status Monitoring

Tilt Sensor EM320-TILT

- High accuracy and reliability with **advanced MEMS accelerometer**
- Flexible settings for versatile applications
- Artful design and **robust enclosure**
- **Safeguard** in various applications
- **Compact size** and **IP67** waterproof
- Easy configuration (via NFC)
- Built-in **zero adjustments**



Cargo Status



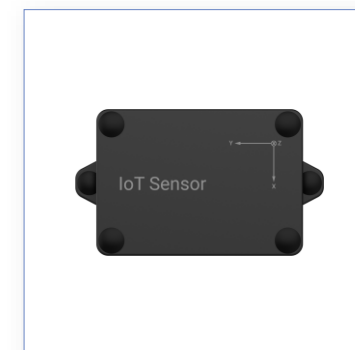
Tree Bending



Barrier Gate

Tilt Sensor EM310-TILT

- Built-in MEMS accelerometer sensor
- **Flexible threshold** condition Settings
- **Compact size** and **IP67** waterproof
- Easy configuration (via NFC)
- Built-in **zero adjustments**



Tunnel Distorting



Landslide Monitoring



Crane & Construction Machines

MILESIGHT SOLUTION

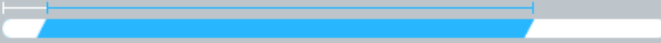
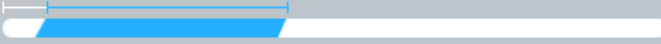
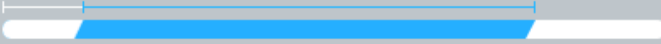
Gesture and Status Monitoring

> Ultrasonic Distance Sensor

- EM400-UDL comes in three versions Standard, Pro and Snow Level versions with different 5 probes optional.
- Support typical scenarios of cargo status detection such as fill level monitoring of a barn, a tank, and water level to meet customers' various needs in managing their resources.



EM400-UDL

Standard Version	C100:25~1000cm	
	C050:25~500cm	
Pro Version	W100: 50~1000cm	
	W050: 30~500cm	
Snow Level Version	S050: 50~500cm	



Tank Fill Level Monitoring



Barn Fill Level Monitoring

MILESIGHT SOLUTION

Sample Available on Apr.

Temperature Monitoring

➤ High Accuracy & Data Integrity

- **Contact Detection** With **Plug & Play** Probe
- Data Storage(**1200**)
- Data Retransmission
- Data Retrievability

➤ High Professionalism

- **IP67** Water Proof
- **IK10** (20 joules)
- **Anti-corrosion**
- **Anti-phosphine**

➤ Up to 10 Years Battery Life



Haystack



Wine cellar



Granary



The Benefits

- Lower Manual Cost
- Wire-free Detection
- No Omission of Data
- Instant Alarming
- Unified Data Management



Tobacco storage

Milesight

90 × 26 mm



10 × 400 mm

MILESIGHT SOLUTION

Temperature & Humidity Monitoring

Temperature & Humidity Sensor EM300-TH

- IP67 rated for harsh environment
- High sensitive sensor (SHT3x)
- **Anti-UV and inflame-retarding** material make it well-adapted in harsh environment
- Data storage and retransmission for secured data
- Up to 10 years battery life



Transportation



Outdoor Environment

Temperature & Humidity Sensor EM320-TH

- FDA-approved food contact material
- IP67 rated for harsh environment
- Higher sensitive sensor (**Sensirion SHT41**)
- Data storage and retransmission for secured data
- Provide dual mounting versions for more applied scenarios



Smart Cold Chain



Smart Pharmacy



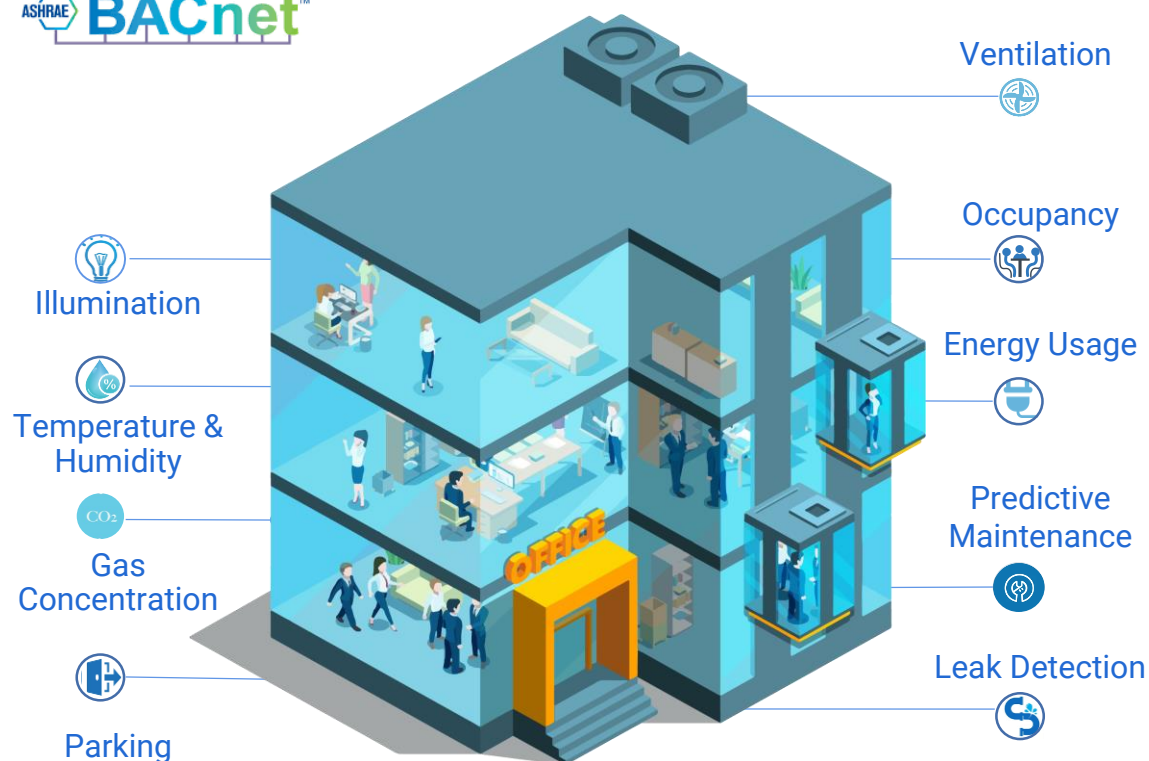
Smart Factory



Smart Refrigeratory

RESOURCE MANAGEMENT IN SMART BUILDING

High-cost energy usage of a building is always an big issue in recent years. For solving this problem, Milesight has brought out several products in **monitoring and controlling the electricity usage** and **make effort in providing higher efficiency and better productivity of business.**



Electricity Management

- Electrical Appliance Management
- Lighting Circuits Management
- Switch Management
- Parking Space Management



MILESIGHT SOLUTION

Provide a Cost-effective Solution in Managing Electricity

> Energy Consumption Management

- Allow for **remote & time-based control**
- Measure **power consumption** for reference
- Make the electrical system **manageable**
- Support quick response through **Milesight D2D**
- Easy configuration with NFC
- **Different versions** for satisfying different needs

Smart Portable Socket

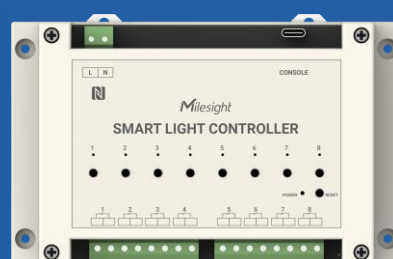


WS523

Smart Light Controller

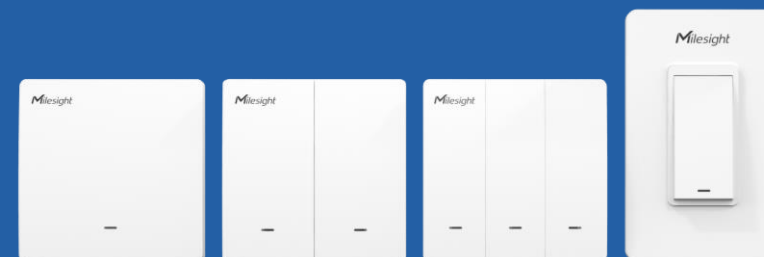


WS558 (LN Version)



WS558 (Switch Version)

Smart Wall Switch

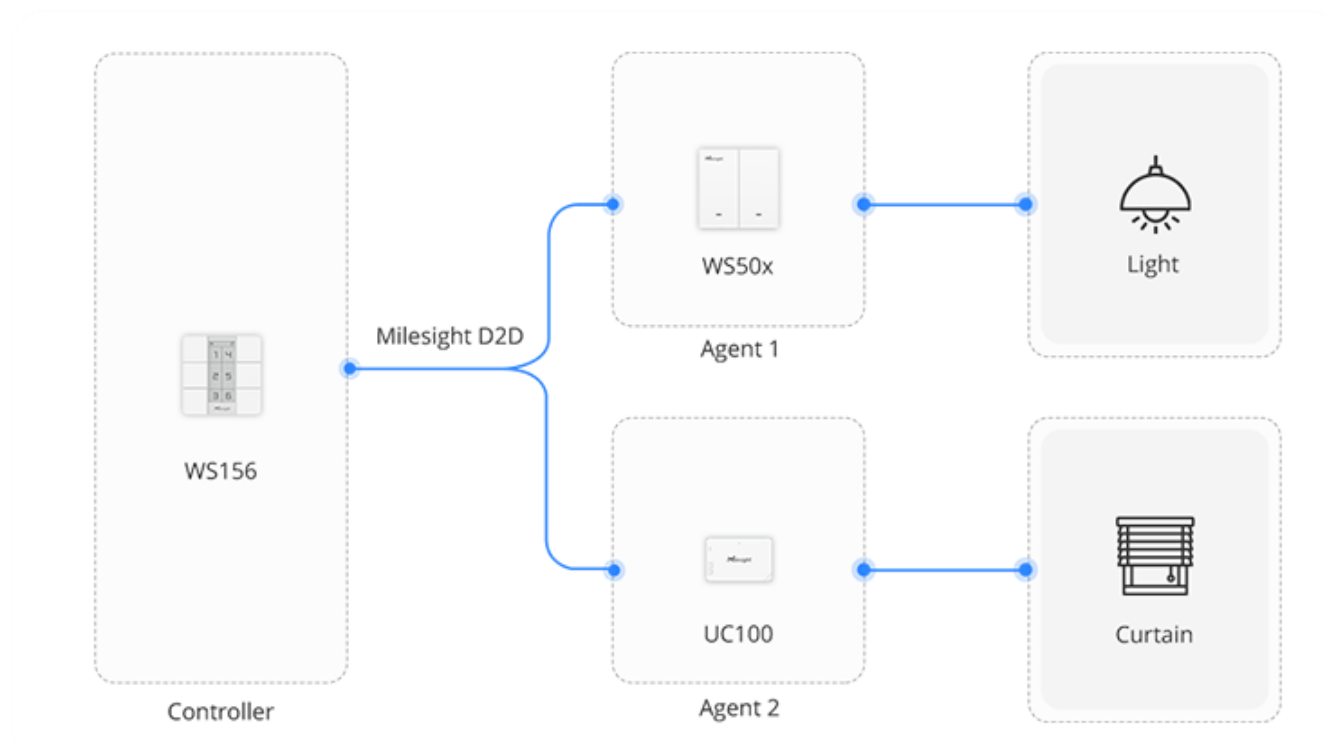


WS50x

MILESIGHT D2D COMMUNICATION D2D³

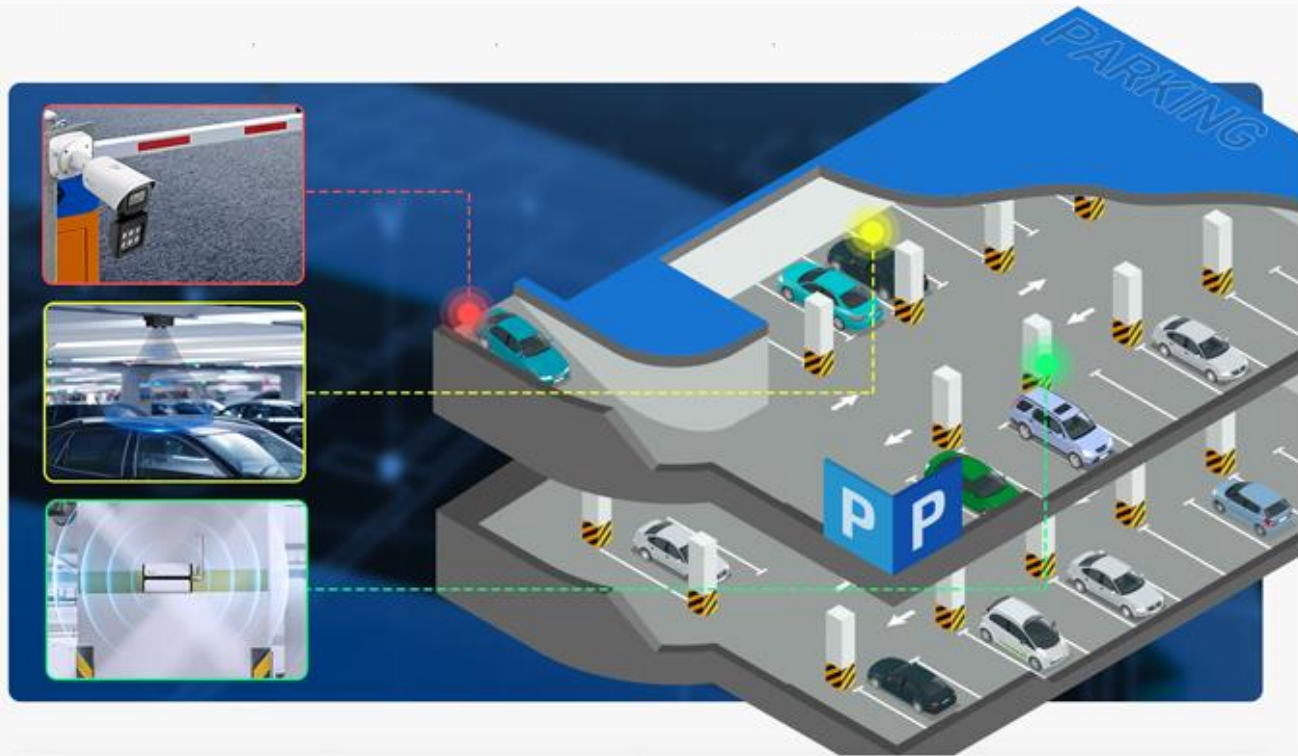
Milesight

Milesight D2D communication is a **device to device** communication link which does not use the LoRaWAN[®] network infrastructure, but enables LoRa based devices to communicate directly with one another when they are in the same group.



MITESIGHT SOLUTION

➤ Parking Management



➤ Smart Indoor Parking

- **Easy to locate** vacant lots
- Capture real-time parking occupancy information for **saving time**
- **Wireless solution** without worrying cables
- Save money and effort
- **High level** of intelligence
- **Centralized data management** and transfer in real time

MILESIGHT SOLUTION

➤ Parking Management



EM400-MUD

Multifunctional Ultrasonic Distance Sensor

- Provide **specific distance measurement** application for smart parking without pre settings
- Ultrasonic distance detection with **small blind spots**
- Long-Lasting **10 Years Battery Life**
- Rugged and reliable IP67 rated enclosure



EM310-UDL

Ultrasonic Distance/Level Sensor

- Ultrasonic distance detection with **small blind spots**
- Rugged and reliable **IP67 rated enclosure**



MILESIGHT SOLUTION REQUIRES

Milesight UG Series Gateways provides a complete product line for satisfying different needs. High-performance UG Series can help with building a stable, convenient, and energy-efficient smart IoT solution.

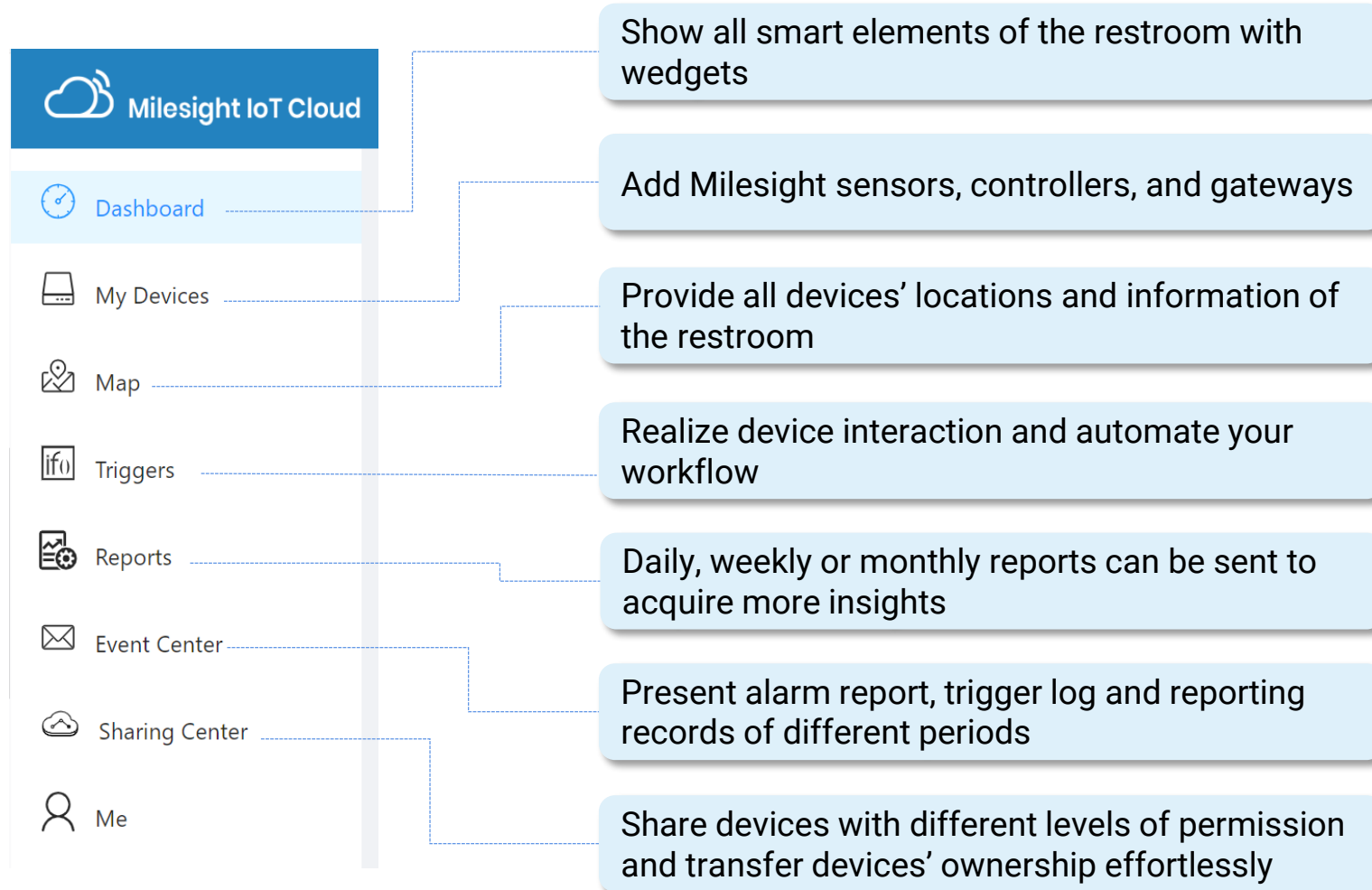
➤ Milesight UG Series Gateways Advantages

- Outstanding performance with **SX1302 chip**
- **Multiple backhaul** connectivities
- **Embedded network server**
- Compatible with multiple **third-party network servers**
- Deep penetration and support up to **2,000 end-devices**
- Listen before talk for downlink data integrity
- Gateway fleet function for comprehensive networking
- **BACnet/IP support** for seamless integration into existing Building Management System (BMS) (except UG63)
- Global LoRaWAN® frequency plans

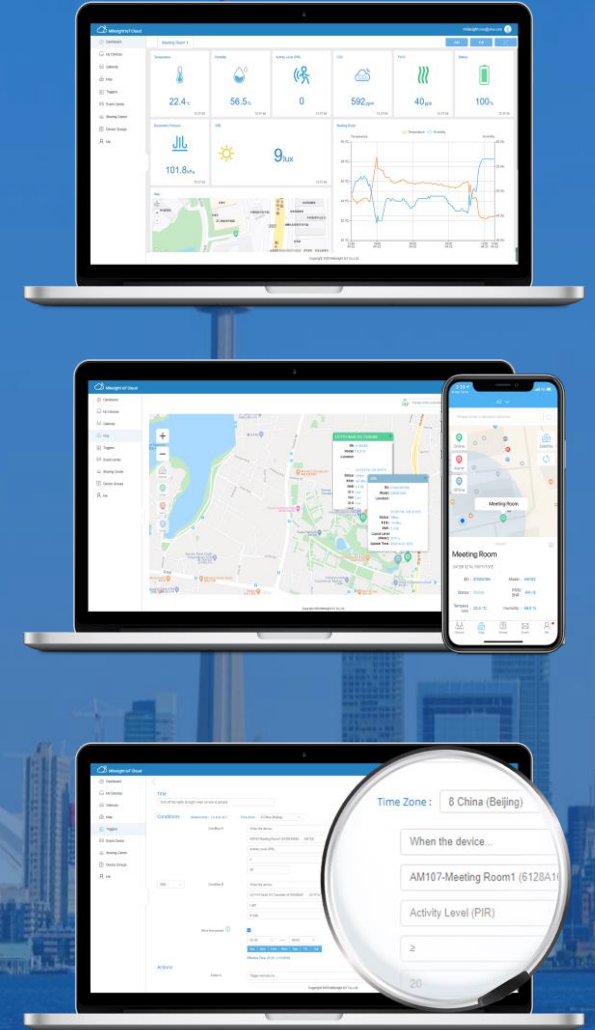


MILESIGHT SOLUTION PROVIDES

The **Milesight IoT Cloud** provides unparalleled levels of vertical integration with Milesight LoRaWAN® sensors and controllers. It visualizes field data and enables user to monitor and control remote assets on an intuitive dashboard.



Milesight



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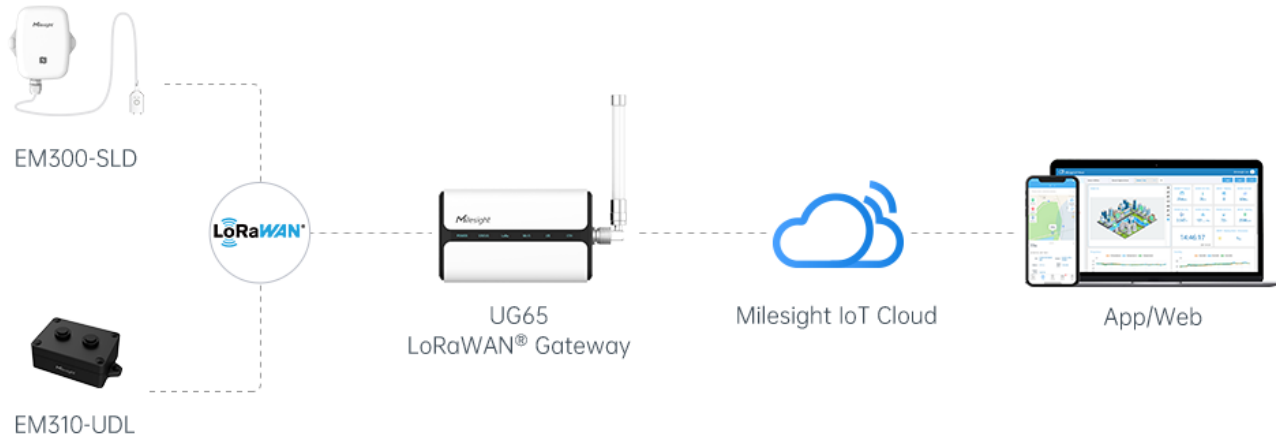
03

SUCCESS STORIES

Milesight has brought out its solutions to many countries for different applications

MILESIGHT IN HONGKONG

Milesight Delivers Turnkey IoT Solution for Smart Bin and Water Leak Management in Legacy Residential Buildings



Milesight



Hongkong, China



Milesight Partner,
Sonic Guard Technology



Has Deployed:

- UG65 indoor LoRaWAN® gateway
- EM310-UDL smart bin sensor
- EM300-SLD water leakage detector
- Milesight IoT Cloud



Covered 294 units on 31 floors



Help Cut Down the Cost

- No Full Bins Will be Overlooked
- Empty the Bins Timely
- Manage the Facility promptly

MILESIGHT IN TURKEY

Milesight Brings LoRaWAN® Technology to Facilitate Temperature Monitoring of Medical Samples and Liquid Tank Monitoring in the Largest Hospital in Turkey



Milesight



Etlik City Hospital, Turkey



Milesight Partner,
Başarı Mühendislik



Has Deployed:

- EM300-TH Temperature & Humidity Sensor
- EM500-PT100 Industrial Temperature Sensor
- UG65 indoor LoRaWAN® gateway



Deploy Hundreds of EM300-TH and EM500-PT100 to monitor the temperature and humidity of storage

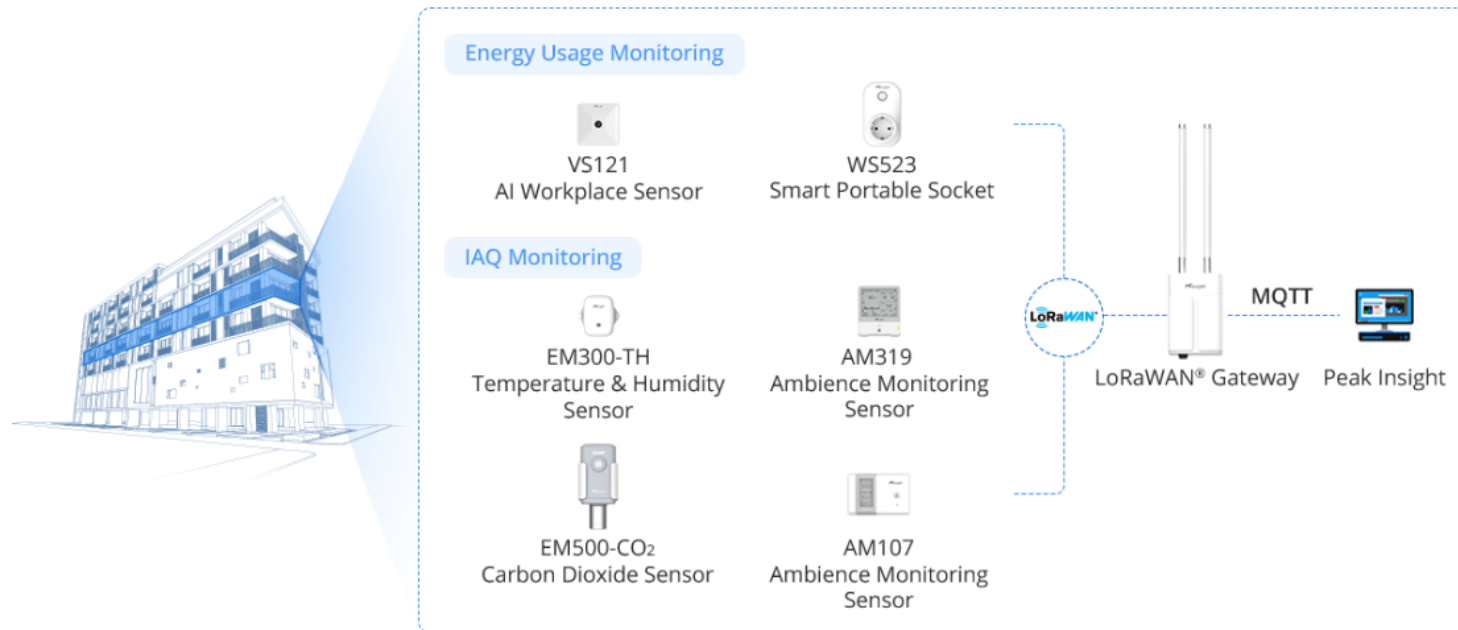


7*24 Real-Time Monitoring and Alert
Wireless Deployment and Easy Installation
Wide and reliable Network Coverage

MILESIGHT IN CANADA

Milesight 4,400 Sensors Energize 62 Energy Efficient and Comfortable Buildings in Canada including commercial offices and educational campuses.

SOLUTION



Milesight



Ontario, Canada



Milesight Partner,
Peak Power



Has Deployed:
4,400 units of sensors
440 units of gateways



Covered More than 62
Buildings



Energy Cost Savings Over \$
250,000 in Q1, 2022

MILESIGHT IN SPAIN

Easy, Efficient and Energy-Saving Management Solution for Spain Health Centers and Clinics to Promote Smart Healthcare Level



Milesight



Spain



Milesight Partner,
Aritium



Has Deployed:

- Smart Portable Socket WS523
- Smart Light Controller WS558
- Smart Wall Switch WS50x
- PIR & Light Sensor WS202
-



Deploy in the pilot health center and cover 213 health centers and clinics.



Adopt Milesight D2D communication for quicker and smarter communication

	Season 2020 - 2021			Season 2022 - 2023		
Start date	05/01/2021	11/02/2021	06/04/2021	12/12/2022		
Finish date	11/02/2021	06/04/2021	20/05/2021	03/01/2023		
Total days	37	54	44	22		
Total consumption (l)	1500	2400	1500	652		
Daily consumption (l/day)	40,54	44,44	34,09	29,64		
Daily consumption (average)	40			29,64		

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04

CONCLUSION

- Milesight Smart Resource Management Solution Highlights

HIGHLIGHTS OF MILESIGHT SMART RESOURCE MANAGEMENT SOLUTION

Integrated Solution

Milesight provides professional devices and solutions in helping with building a smarter world



Remote Smart Control

Milesight help with collecting data remotely and control remotely for better management and convenient adjustment



Visualized Data and Regularly Report

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore



Partner Support

Professional support team and up to 3 years warranty period makes the projection more secure



Wireless Solution

- Milesight provides wireless solutions for more development scenarios
- Secured wireless transmission
- Wide transmission range



Various Choices & Customizable Solution

Solutions including Smart Building, Smart City, Smart Agriculture, Smart Office, People Counting, and etc.



High-End Equipment with State-of-art Design

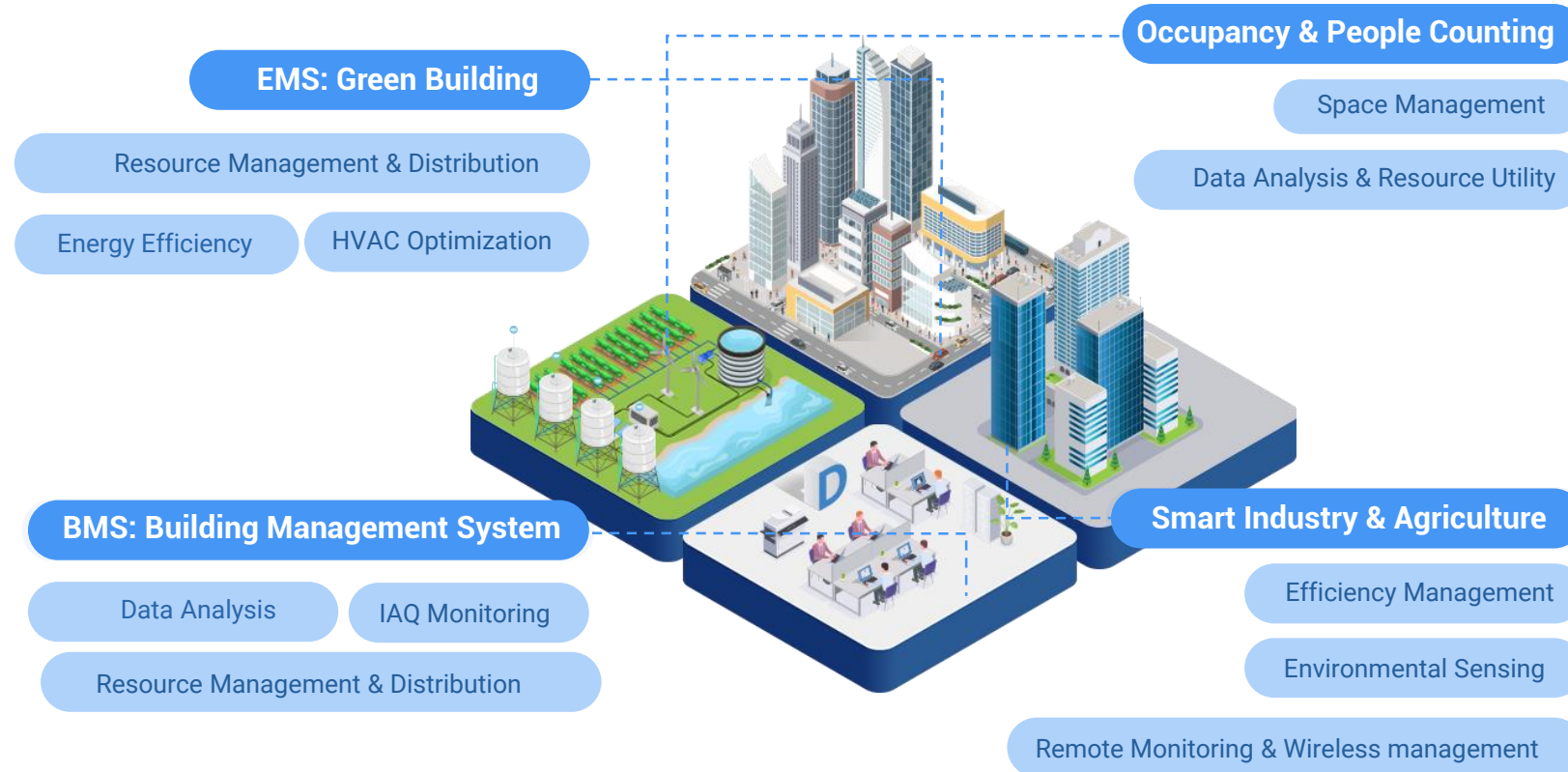
High performance products equipping with different applied scenarios

MILESIGHT PRODUCT STRATEGY



Milesight

The Internet of Things empowers various industries, Milesight focuses on deepening its expertise in the vertical field of **smart buildings**. It explores more possibilities in the **BMS/EMS domain**, paying attention to diversified technologies while delving into key areas. Milesight is committed to becoming a leading provider of **digital sensing products** in the industry.



EMS Green Building Energy Efficiency



BMS Space Management



Temperature Monitoring in Smart Industry



Professional Detection in Smart Irrigation

EMPOWER SMART BUILDING, CITY AND AGRICULTURE SOLUTIONS



with Milesight Comprehensive Product Portfolio

2. Occupancy & People Counting

Maximize the Space Utilization



4. Smart Restroom

Monitoring Toilet Paper Remaining, Cubicle Occupancy, and Odor

Diversified Sensors
& Controllers



6. Smart Metering & Water Leak Management

Transform into Modern Metering and Prevent Water Damage

X1
EM300 Series



8. Smart Logistics & Asset Monitoring

Sense from Temperature to Location

X5
EM320-TH
TS Series
AT101



1. Indoor Air Quality

Understand Your Environment Visually

AM Series



3. Smart Office

Work More Effectively and Sustainably

CoWork Series
DS Series
Occupancy & People
Counting Series



5. Waste & Parking Management

Reduce Operation and Labor Cost

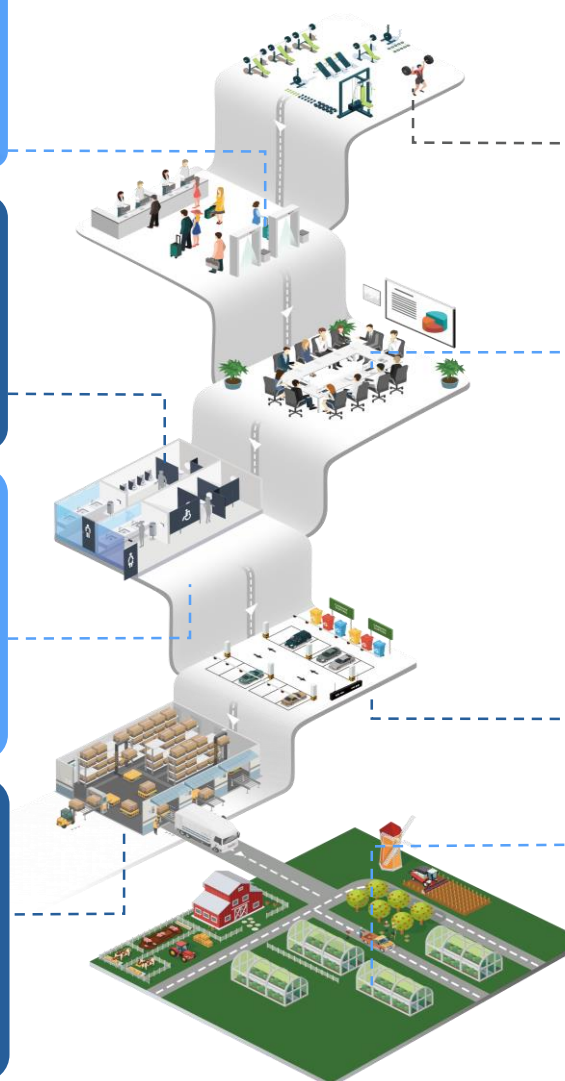
EM400 Series



7. Smart Agriculture

Empower Smart Greenhouse, Automatic Irrigation and
Livestock Tracking

Diversified Sensors
& Controllers





SENSING INSIGHT

2023 H2 PRODUCT ROADMAP



Milesight

Milesight places significant emphasis on the **Building Automation System (BAS)** within the **digital sensing** vertical market. By investing in long-term research and development, Milesight aims to contribute to the advancement of **smart building management**.



ENERGY EFFICIENCY

WS203 Motion & TH Sensor

D2D

Optimize Room Occupancy and Energy Efficiency

- Smart Communication
- Adjustable Angle



WT101 Smart Radiator Thermostat

- LoRaWAN®
- Smart Control
- Reliable & Safe



WT201 Smart Thermostat

D2D

Smart All-in-one LoRaWAN® Thermostat

- Support up to 4 Heat/2 Cool Conventional System
- Remote Management



HL31 Wi-Fi Halow Gateway

- Sub-1 GHz · Faster & More Stable
- Support Ethernet & Cellular Network for Options



OCCUPANCY & PEOPLE COUNTING

VS340&VS341 Desk&Seat Occupancy Sensor

D2D

Optimize Room Occupancy and Energy Efficiency

- High Accuracy & Fast Response
- Adjustable Angle



VS350 Passage People Counter

D2D

- Bi-directional People Counting
- Dual PIR · 100% GDPR · Wireless
- Long Battery Life
- Local Storage & Retransmission



UPS01 Uninterruptible Power Supply

Robust · Stable Adaptable · Smart

- Large Capacity
- 12000mAh
- IP67 & IK08 Protection
- Heating Film Protection
- Provide M12/Type-C Version



MARKET-LEADING GATEWAY SOLUTION

Independent · Fast Deployment

SG50 Ultra Low Power Solar LoRaWAN® Gateway

- Wireless Deployment



Brand-new UG63 Mini LoRaWAN® Gateway

- Small & Blind Area Coverage



RPS & NS Cloud Platform

- Bulk Management & Extreme Simplicity



ENVIRONMENTAL SENSING

X5 Sensing Camera

Wire-Free · Sensing Actively · Human & Animal · Triggered Picture Capture

Milesight AIoT Sensing Platform & Inference Platform

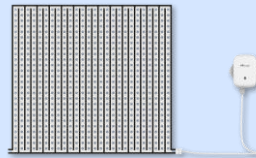
Data Analysis · AI Algorithm · Open-ended



EM300-MLD Membrane Leak Detection Sensor

D2D

- Flexible & Reusable
- Up to 10-year Long Battery Life



AM102/AM102L Indoor Ambience Monitoring Sensor

- Tem. & Humidity
- With/without Screen
- Long Battery Life Detection Sensor



AM300L Indoor Ambience Monitoring Sensor

- Lite Version of AM300 Series
- High Compatibility & Low Maintenance



TS301/TS302 Temperature Sensor

- Extendable Insertive Resistance
- High-accurate A and B-class Probes with Food-Grade Options



EM300-CL Capacitive Level Sensor (TBA)

- Liquid Level Detection
- Compatible with Most Soap Dispensers



Avail.

Sep.

Oct.

148

Nov.

CONSTRUCT A SUSTAINABLE BUILDING THAT POSSESSES AMPLE ENERGY EFFICIENCY

Building Automation --- Energy Efficiency



BEMS

Milesight has created multiple products that utilize environmental sensing to enhance the energy efficiency of buildings, particularly in the HVAC and electrical systems.



WT101 Smart Radiator Thermostat



WT201 Smart Thermostat



WS203 PIR & TH Sensor

WT101 SMART RADIATOR THERMOSTAT

WT101 is a LoRaWAN®-based radiator valve with visualized LED and smart moderation and communicative triggers to optimize the heating regulation and save both energy and cost.



Modern Apartment



Nursing Home



Large Buildings



M30 x 1.5mm Valve

Optional Valve Adapter Kit:



34mm RAV



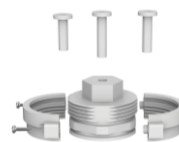
22.6mm GIA



23mm RA



26mm RAVL



28mm CTH

Milesight

Smart & Communicative

- Support up to **16 Heating Schedules** within **1 pre-set Date Period**
- Featuring **LoRaWAN®** for wireless transmission
- Support **Open-window Detection** and **Anti-frost Protection**

Reliable

- Provide **Protection-clip** for structural anti-theft protection
- **Child-lock** can prevent palm-rejection in public area
- Support **multi-way calibration** while deploying it

Compatible

- Provide several **Valve Adapters** for being compatible with different types of valves
- Easy to deploy and configure **without further steps**

WT201 SMART THERMOSTAT

D2D[®]

Milesight

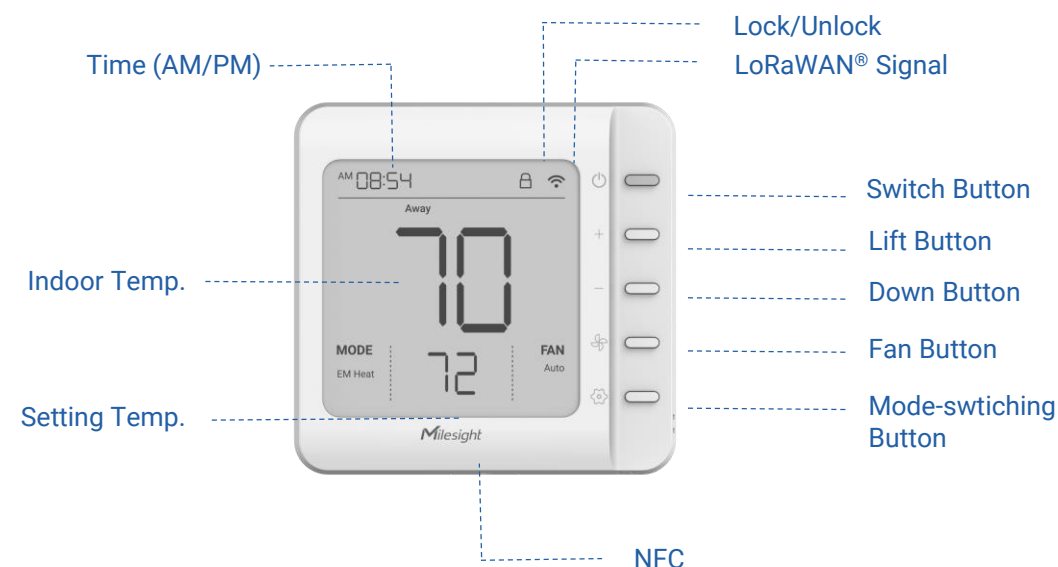
WT201 is a LoRaWAN[®]-based thermostat providing a larger coverage and a cost-effective solution. WT201 is able to manage the HVAC system including air conditioners, heat pumps, boilers, and PTAC devices for building a more comfortable environment with a minimum effect to human's life.

> Save Indoor

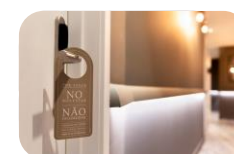
- **Intuitive Interface:** User-friendly **3-inch Screen**
- **Energy Usage Insights:** **Home Automation** and simple **HVAC management**
- Support for **four classic modes: Heat, Cool, Emergency Heat, and Auto**
- **Compatible** with various heating and cooling systems, support up to **4 Heat/ 2 Cool** Heat pump systems
- **Switchable fan modes** with options for **Auto/Fan-on/Circulate**
- Switch between **Fahrenheit and Celsius**
- Integration with **Milesight D2D** for creating smart **If-then triggers** and automation

> Manage Away

- Support **Time Table** for scheduled and switchable **Wake/Away/Home/Sleep** Modes
- Equip with **Automatic Mode** for adjusting the temperature automatically
- Highly reliable with structural **Anti-theft** function and **remote management**
- Support **Button Lock locally** and allows for **remote management**



Commercial Building



Hotel



Office Building



Hospital

WS203 MOTION & TH SENSOR

D2D[®]

Milesight

> High-accurate Detection & Smart Communication

- Equipped with passive infrared and Fresnel Lens for **motion or occupancy detection**
- Built-in high-accurate **TH sensor along with PIR** sensor enabling **communicative triggers**
- Support **Milesight D2D protocol** to enable **ultra-low latency** and **direct control** without a gateway

> High Compatibility

- Provide **different types of PIR covers** for **adjustable and flexible field angles** and different detecting ranges
- **V0 grade flame retardant** material makes it adaptable to various scenarios, enhancing safety and reliability
- Store locally **1000 historical records** and support **retransmission** to prevent data loss



3 in 1

Motion · Temp · Humidity



NFC

Configuration



Milesight & AWS Cloud

Remote Management



Around 5 Years

Battery Life



V0

Flame Retardant

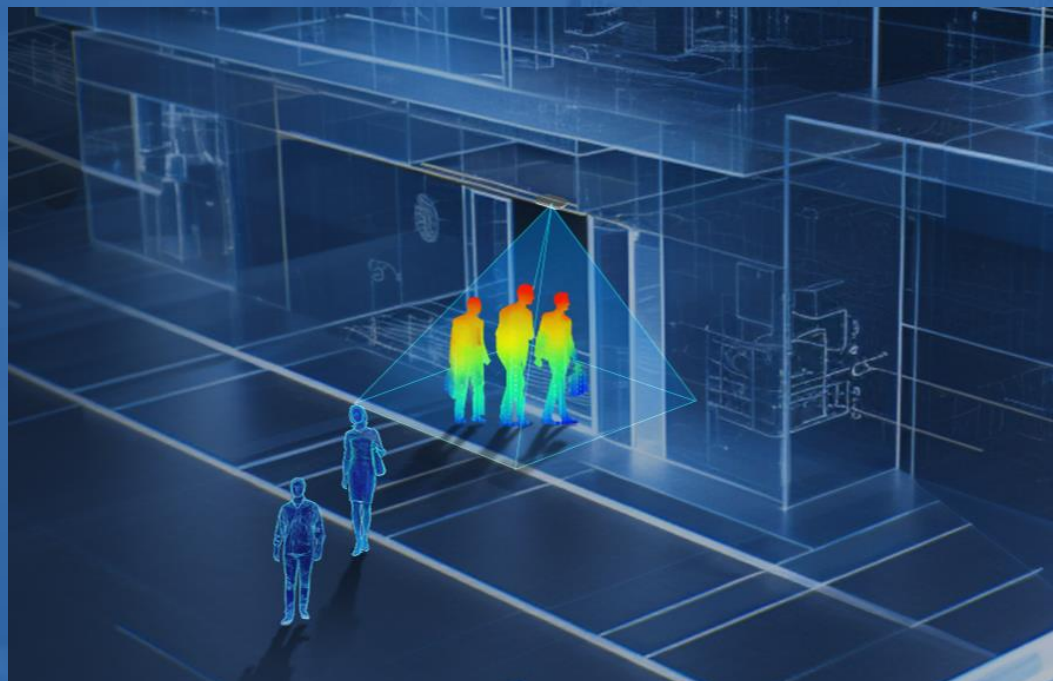


Easy Installation

Screw Mounting, 3M Tape Mounting

MAXIMIZE THE FUNCTIONAL USE OF AVAILABLE SPACE TO ENSURE THE MOST EFFICIENT UTILIZATION POSSIBLE

Building Automatization --- Occupancy & People
Counting



BAS

Milesight continues to explore the Vision Sensing field with a range of VS products. In the second half of the year, VS introduced two new products and implemented numerous product enhancements and upgrades.



VS350 Passage People Counter



VS340&341 Desk & Seat Occupancy Sensor



VS133 Upgrades

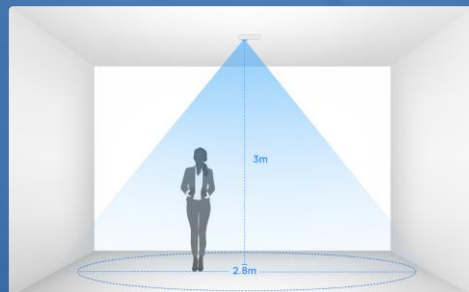
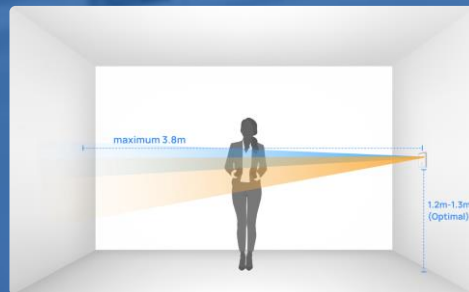
VS350 PASSAGE PEOPLE COUNTER

Avail.

The VS350 is an exceptional indoor passage people counter that detects and analyzes the flow of people, allowing for optimum space management and usage.



D2D



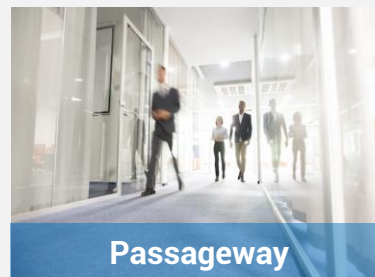
Milesight

> Accurate People Counting Option

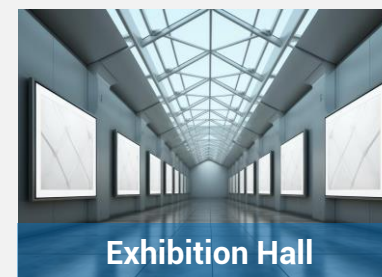
- Provide good accuracy rate for bi-directional people counting with **dual PIR sensors**
- Function well with people counting with **perfect-fit detecting ranges**
- **100% GDPR** compliance
- Built-in temperature sensing for optimal comfort or safety conditions
- Support local storage of 1,000 historical records for reliable detection

> Seamless Connectivity and Easy Deployment

- **Wireless deployment & transmission**
- Compatible with standard LoRaWAN® gateways and network server
- Up to **4 Years** of battery life without replacement
- Compact size for easy deployment
- Over-temperature alarming reports
- Support **Milesight D2D** for interactive communication among devices



Passageway



Exhibition Hall



Aisle in Shopping Mall

VS340 & VS341

DESK & SEAT OCCUPANCY SENSOR

VS34x is an occupancy sensor designed to detect whether **desks or seats** in a workspace **are occupied**, allowing for **better management and optimization of space usage**. The **standard version** of the sensor **VS340** uses **PIR technology** for detection. The **pro version VS341** applies **additional Thermopile IR technology** to provide **more accurate and low-latency** detection capabilities.

Thermopile Sensor



Single Seat



Two Face-to-face Seats



For Bar Table



Four Bar Table



For Customization

④ High Adaptability & Easy to Use

- Wireless Deployment
- **Adjustable Detection Angle**
- High Compatability
- **Optimal Desk/Seat Arrangement**
- **Long Battery Life Up to 5 Years**
- Easy Configuration (NFC)
- V0 Grade Flame Retardant
- Easy Installation (3M tape)



Hybrid Working



Space Utilization



Food Court



Others



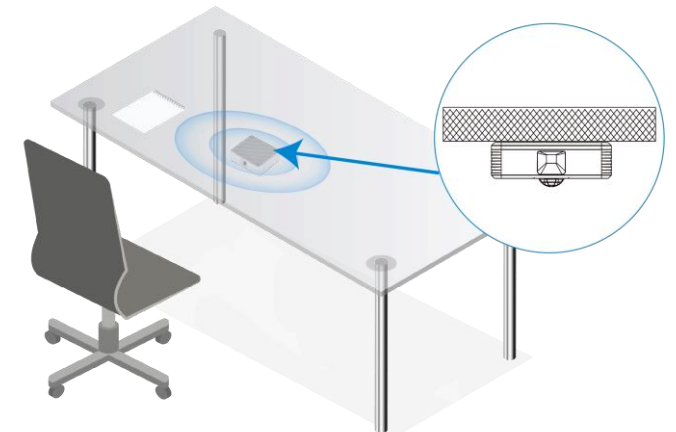
Milesight IoT Cloud



Desk Booking Apps/Systems



Real-time Occupancy Status



VS133 & VS133-P ToF PEOPLE COUNTING SENSOR

Upgrading Schedule



VS133 utilizes on-board AI and 2nd gen ToF technology for actionable insights in people counting. With up to 99.9% accuracy and 100% anonymous detection, it's ideal for smart buildings and retail.

Currently Available

Expanded Vision Ability

- **Multi-devices Stitching (-P Version Only)**
- Automatic Installation Height Detection
- Switchable Tracking Modes
- Customized Detection Lines



Multi-devices Stitching

- **Queuing Management**
 - Dwell Time Detection
 - Regional People Counting



Queuing Management

Will be Available in H2

Improved Management Availability

- **Support Heat Map for Anonymous Customer Tracking (Sep.)**
- Remote Bulk Configuration and Firmware Update via DeviceHub
- Support HTTPs



Heat Map Analysis

- **Support Smart Group Counting (Oct.)**
 - Support Multiple MQTT & HTTP
- **Newly-construct Rule Engine**
 - Support Multiple HTTP & MQTT Brokers
- **Newly Upgraded UI**
 - Customized Dashboard
 - Full-screen Exhibition Mode



Group Counting

Brand-new Deep-learning Algorithm (Nov.)

- Up to **99.9%** Accuracy with Deep Learning and Non-human Filtration
- **Video Verification Function**—Local Secondary Check Function
- Support New Cloud Compatibility (-P Version)



Milesight

ENVIRONMENTAL CONSERVATION AND COST SAVINGS THROUGH INTERACTIVE COMMUNICATION AMONG DEVICES

Environmental Sensing

ES

Milesight continues to explore the Environmental Sensing field with more specific IAQ & environmental-sensing products, enabling indoor and outdoor management.



X Series: SC311 X5 Sensing Camera



EM300-MLD Membrane Leak Detection Sensor



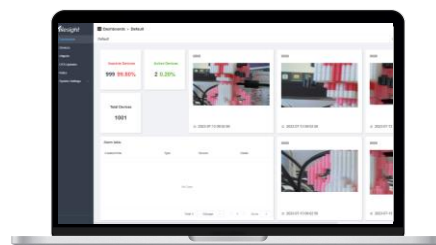
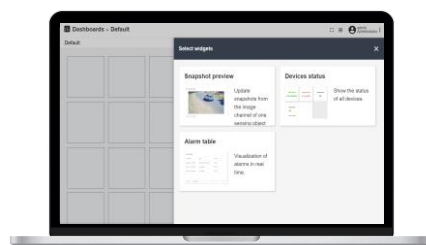
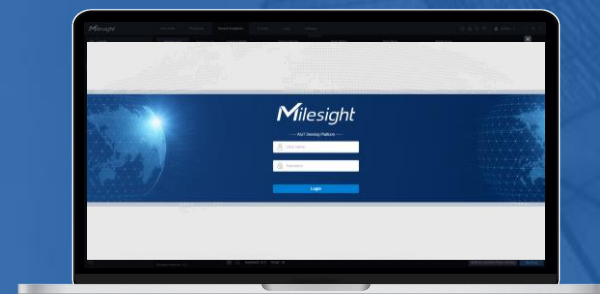
TS301/TS302 Temperature Sensor



AM Series: AM102/AM102L & AM300L

MILESIGHT AIOT SENSING PLATFORM

---Latest Version is Launched



> Visualization

- **Unified Management** of the Devices with **Visualized Dashboard**
- Snapshot Preview
- Devices Status
- Alarm Table

> Central Management

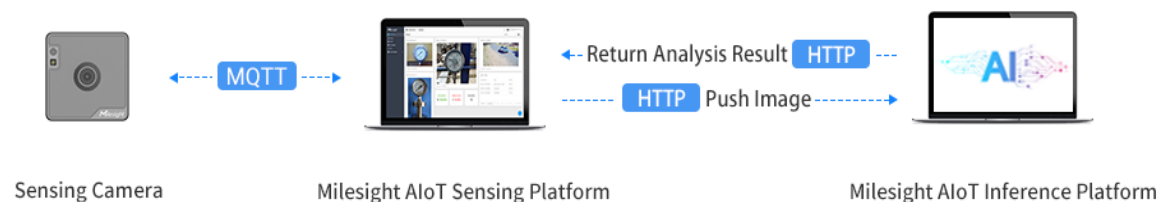
- OTA updates enable efficient **bulk upgrades or configurations** for groups of devices
- **Defined Rules** configures rule engines to define trigger conditions, actions (transfer data/images or showing alarm wedges), and choose the recipients.
- **System Settings-Recipients** determine the destination where **image identification or data/image visualization**.

> Analytic

- Support Devices **Management, Maintenance, Upgrade & Defined ROI** for AI Analytic.
- **Define Standard Sensing Objects** to Ensure Accurate Data Representation

> Milesight AIoT Inference Platform

- Milesight AIoT Inference Platform, based on Triton inference server, provide an intelligent AI solution to recognize the data from Milesight sensing camera products and expand the type of meters.



TS301/TS302 TEMPERATURE SENSOR

Milesight

TS30x is a professional **visualized RTD temperature sensor** with extendable connecting lines and different detecting probes including **A-class, B-class, and food-grade temperature probes** and a **magnetic sensor for options**. Users can apply it in different scenarios with grouped sensors and detect specific temperature **ranges from -50 to 500°C**.

✓ Flexibility & Reliability

- **Dual Versions** by Requirements
- **Three Types** of Temperature Probes and one Magnetic Sensor for Collections
- High-accuracy Sensing modules
- **Automaticly Warning** if Detect **Abnormity**
- **High IP65 Protection** and Provide **Dust Plug** in Adapting to Harsh Environment
- Flexible & Robust Structural Design for Higher Durability

✓ Data Effectiveness & Security

- Data Collection and Storage is Highly **Compatible with HACCP**
- **High Data Security** with **Data Storage, Retrievability** and **Retransmission**.
- **Simplified PDF data Export** for Easy Documentation Without Complex Paperwork
- Traceable Data for High Security and Reliability



Catering



Food Factory



Milk Tanker



Medical Storage

TS301



TS302

AM SERIES Indoor Air Quality Monitoring Sensor

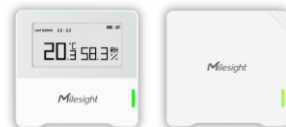
Sept.

Milesight

AM102/AM102L

Cost-effective IAQ Sensor

- **2-in-1** Sensing Function
- **With/Without** Screen for Option
- **Up to 5-year** Battery Life
- Long Working Life with Battery-powered
- Anti-retardant Material
- Fast & Cost-effective Bulk Deployment



Classroom



Shopping Center



Workplace

AM307L/308L/319L

Professional IAQ Sensor

- **7/8/9-in-1** Sensing Function

- | | |
|-----------------|------------------------|
| Temperature | TVOC |
| Humidity | Barometric Pressure |
| Light | PM2.5 & PM10 |
| PIR Motion | HCHO or O ₃ |
| CO ₂ | |



✓ Data Storage (Up to 19,000)

✓ Data Retrievability

✓ Data Retransmission



Factory



Museum



Commercial Buildings

MILESIGHT CUTTING-EDGE CONNECTIVITY

Milesight brings new products in building a wireless connection



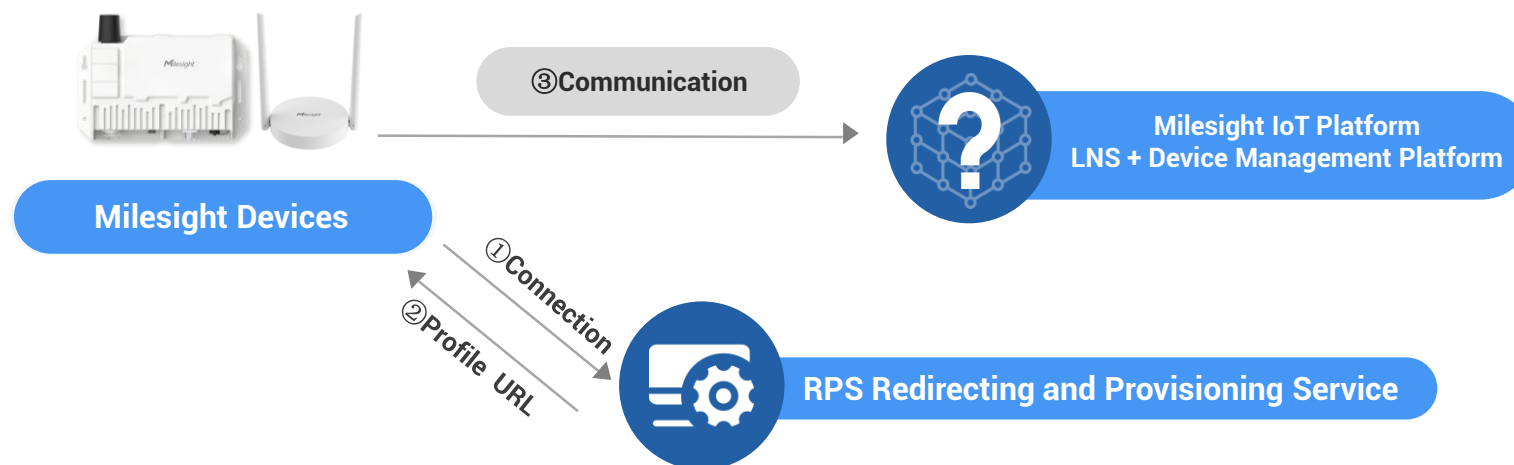
New Cloud System: Fast Deployment & Device Management

Milesight is aiming at bringing a more convenient device management system for achieving a fast-deployment and low-maintenance AIoT solution.

- Milesight IoT Platform ---- (Not Finalized)
- RPS Redirecting and Provisioning Service---- (Not Finalized)
- LNS & Device Management Platform---- (Not Finalized)

> Auto-P Deployment

- Simplify Device Configuration
- Support Fast-deployment
- Support Stable & Flexible Connection



SG50 ULTRA LOW POWER SOLAR LORAWAN® GATEWAY



Independent Network & Fast Deployment & Low Maintenance Solution

Sept.

➤ Fast Deployment

- Built-in **Rechargeable Batteries** & **Accessorial Solar Panel**
- Support **Cellular** for Backhaul Network
- Easy & Simple Deployment even in **Remote Regions**



➤ Ultra Low Power Consumption

- High-efficient & Advanced **Power Management** Design
- Support Typical Use for up to **4 Days Without Sunlight**
- Highly Compatible with **Mainstream Network Servers**



➤ High Reliability & Durability

- **Robust** Structural Design
- High **IP67** Ingress Protection
- Support **Reliable and Safe Remote Management**



What is SG50?

The SG50 is an energy-efficient **solar LoRaWAN® gateway** designed for outdoor environments with limited power availability and ample solar energy resources. It is specifically tailored for applications such as **oil and gas, mining, forestry, and remote industries** where power consumption must be carefully managed.



UG63 MINI LORAWAN® GATEWAY

Nov.

Milesight

Small-area & Fast Deployment & Low Maintenance Solution

The all-new UG63 Mini LoRaWAN® Gateway revolutionizes the process of establishing a reliable LoRaWAN® network with its simplicity and efficiency. In addition to ethernet connectivity, it offers the option for cellular network connectivity. The embedded NS has been transformed into a remote local-deployed platform, allowing for automated provisioning and ensuring fast and hassle-free deployment.

> Small Coverage & High Performance

- Provide **Small-coverage** and **Blind-spot** Network
- Support both **Ethernet & Cellular Networks**
- **External Antennas** for Stable and Fast Connectivity
- Local-deployed Platform & Automated Provisioning

> Application



Workplace



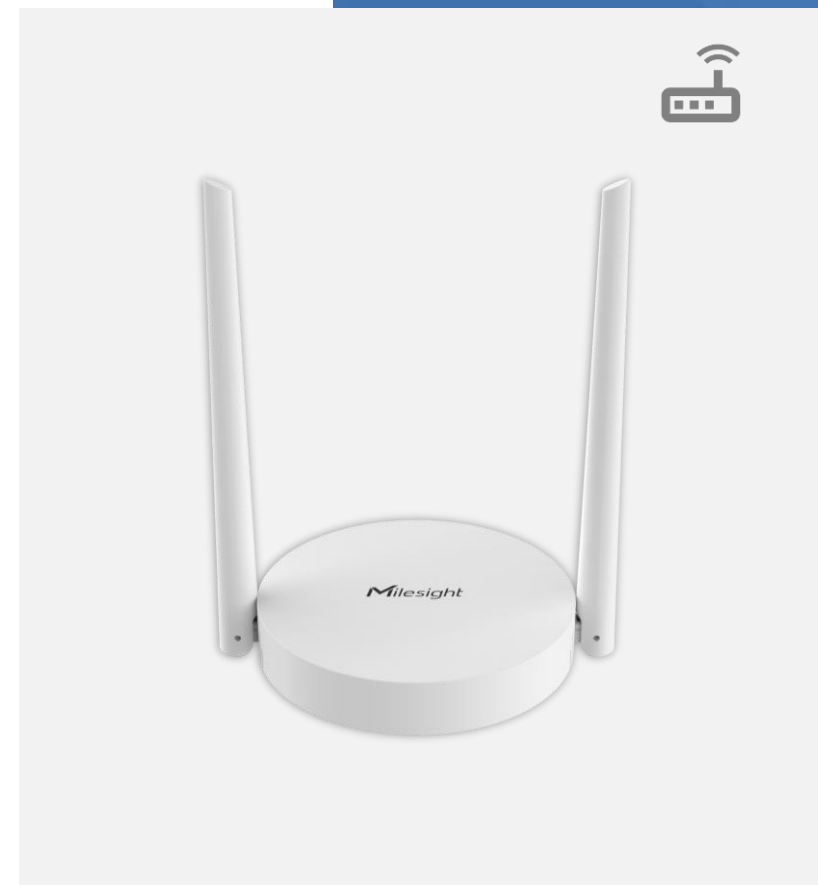
Retail Store



Restroom



Parking Lots



HL31 Wi-Fi HaLoW GATEWAY

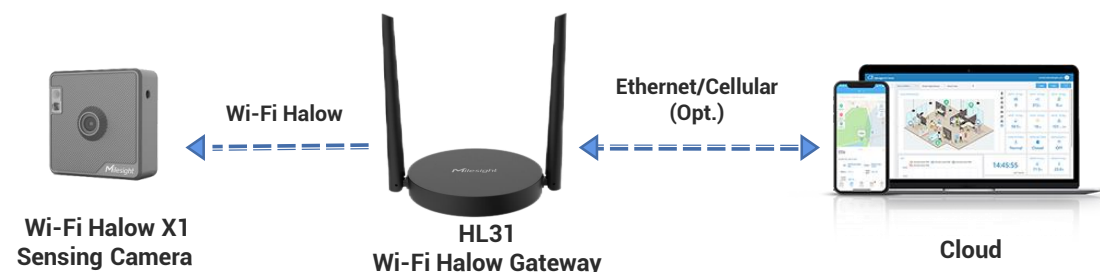
Nov.

Milesight's new Wi-Fi Halow Gateway **addresses the limitations of bandwidth and slow transmission** rates in current LoRa gateways. Users can experience expanded capabilities for **transmitting large data volumes**, including **images**, while preserving **low-power requirements**. Ideal for small to **medium-sized coverage** areas, unlock enhanced connectivity with the HL31 Wi-Fi Halow Gateway.

> Stable Wi-Fi Halow Network Provider

- Support **Sub-1 GHz Spectrum** Operation for a **Wider Transmission**
- Support Wi-Fi HaLow AP Mode to Connect to Wi-Fi HaLow Sensors
- Support both **Ethernet & Cellular Networks for Data Transmission**
- Provide Wi-Fi 2.4G AP Mode for Configuration

> Application



Smart Building



Smart Industry



Smart Retail

UPS01 Sept. 12000mAh IP67

Uninterruptible Power Supply

Milesight UPS01 is an advanced **power supply** solution designed to ensure uninterrupted operation of various devices from **6 to 32 hours**. Featuring **IP67** and **IK08** ratings, the UPS01 can withstand demanding environments and provide **reliable protection** against dust, water, and mechanical impact.



Milesight

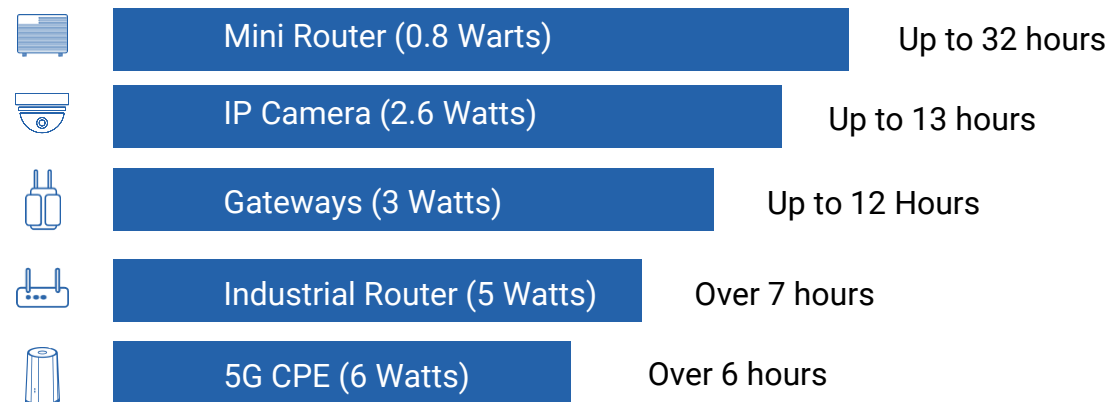
> Robust & Distinctive Design

- Rechargeable **12000mAh** High-capacity Battery for up to **32 Hours'** Supplement
- **Heating Film** Allows it to work in low-temperature environment
- **High IP67 and IK08 protection** for adapting to harsh environment
- **Tricolor Indicators** and **Smart Internal Logic** for Status Display

> High Adaptability & Easy Configuration

- **Compact size** with **multiple deployment methods**
- Compatible with Milesight Devices for **Remote Monitoring & Management**
- Provide **Dual Versions of Connectors**
- Support **Plug-and-play** Without Further Configuration

Battery Back-up Time Sample Chart



Note: The battery supply time is tested under laboratory and non-load conditions and for guideline purposes only. The actual power supply time of the UPS depends on the actual consumption of the connected device and its load.

NEWLY-ADDED VERSIONS

01



UC51X

Newly-added version can support DI, enabling connection with regular pressure meters and other devices.



02



UC50X

Newly-added NB/Cat.M version for satisfying more possible scenarios and being compatible with SDI.



03



WTS Series

Newly-added NB/Cat. M Version for satisfying more possible scenarios. Solar radiation detection will be supported soon.



04



VS133

- Newly-added black version
- Newly-added waterproof version.



A solid blue vertical bar on the left side of the slide.

03

MILESIGHT SOLUTION

- Building Energy Efficient Solution
- Space Management Solution
- Highly-efficient Environmental Sensing Solution

BUILDING ENERGY EFFICIENT SOLUTION

Improve energy efficiency with a communicative solution

Heating Management

WT101 Smart Radiator Thermostat allows users to have one centralised boiler providing the heat and controlling the heat level with pre-set schedules.



All-in-one HVAC Management

WT201 Smart Thermostat enables the all-in-one operation of the HVAC system in home, buildings and others. It provides a fast and simple method as well as **working effectively** with the environment.



Resource Management

WS203 Motion & TH Sensor allows the communicative management triggered by environment, enabling smart-logic management.



IAQ Monitoring

AM Series of IAQ Sensors works for monitoring the air quality of the airport, **the staff will be told by a alarm of bad air** and can quickly respond to deal with it.



Unified Management



SPACE MANAGEMENT SOLUTION

Bring more effective data for managing space well

Occupancy & People Counting

VS133 AI ToF People Counting Sensor works for calculating the number of people passing through the entrance & exit, **the manager will be able to analyze the people traffic based on accurate data.**



Optimize Space Management

VS350 is an exceptional indoor **passage people counter** that detects and analyzes the flow of people, allowing for optimum space management and usage.



Unified Management



Resource Management

WS203 Motion & TH Sensor allows the communicative management triggered by environment, enabling smart-logic management.



Occupancy & Efficiency

VS340 & VS341 allows fast deployment and easy management of the occupancy status, enabling fast response and easy communication with the situation.



Keep Comfort Environment

AM Seires of IAQ Sensors works for monitoring the air quality of the airport, **the staff will be told by alarming of bad air** and can quickly response to deal with it.

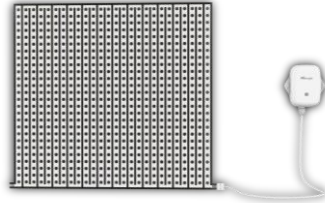


HIGHLY-EFFICIENT ENVIRONMENTAL SENSING SOLUTION

Make Customers Comfort, Make Operators Benefited

Leakage Detection

EM300-MLD Membrane Leakage Detector is able to detect the leakage status with flexible deployment and fast-response alarming system



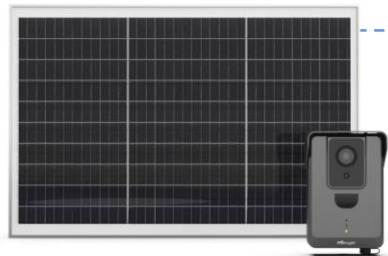
Fill-level Detection

EM300-CL is a capacitive level sensor enabling measuring the level of liquid in small containers.



People Flow Analysis

SC331 X5 Sensing Camera leverages active sensing to enable intelligent and versatile applications with a high-precision image sensor and customizable capturing modes that cover a range of scenarios.



Temperature Management

TS301 & TS302 Temperature Sensor help with managing the temperature parameter in various scenarios, enabling HACCP standard for more professional temperature management

Milesight Fast & Simple-deployment

SG50 Ultra Low Power Solar LoRaWAN® Gateway brings a new experience in building a stable and independent LoRaWAN® network. Cooperate with solar panel, SG50 can work a longer time even without power input.



Brand-new UG63 Mini LoRaWAN® Gateway brings a new era of small-coverage & blind-spot LoRaWAN® network with fast transmission and simple management.

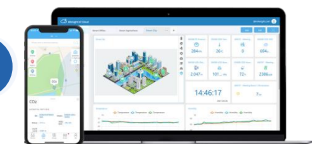


High Efficiency & Longer Life

UPS01 is the first Uninterruptive Battery Backup introduced by Milesight. As a large-capacity and smart device, it allows up to 32h supplement and support communication with the device.



Unified Management



Esteemed Customers



Real Estate
Commerce & Enterprise



Education & Healthcare



Banking & Finance



E-commerce



Manufacturing
Units





THANK YOU

For Your Precious Time and Your Attention

THIS IS A CORPORATE WHAT'S APP ACCOUNT AND WE WILL SHARE THE UPCOMING NEWS ON THIS CHANNEL WHICH WILL MAKE US CONNECT MORE CLOSER AND PLEASE ADD US IN CONTACT LIST.



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