AI

Milesight

· Better Inside, More in Sight ·

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PRODUCT BROCHURE

AI NETWORK VIDEO SURVEILLANCE

Transportation

Gas Station

Energy

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. 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.

Airport

Quality
Outstanding product quality and unique design

Support
Timely, efficient and diverse support

Innovation
Independent R&D team guarantees innovative technologies

BETTER INSIDE, MORE IN SIGHT

CONTENTS

AI Network Cameras

Network Video Recorders

H.265+ 4K AI

AI Network Camera

Clear Vision • Accurate Detection • Proactive Action

Intelligence

Behavior Analysis	PTZ/Fisheye Auto Tracking, Loitering, People Flow Analytics, Object Left, Object Removed
Passing	Region Entrance, Region Exiting, Line Crossing
Detection	Motion Detection, Advanced Motion Detection, Tamper Detection, Face Detection, Hard Hat Detection, Fire Smoke Detection
Intelligent Traffic	Parking Detection, Parking Violation Detection, Vehicle Counting, Vehicle Brand, Red-Light Running, Illegal Lane Change, Non-compliant Steering
Statistic for Market Intelligence	Heat Map, People Counting

Some AI features are only available on certain models.

AI Empowers Security

Powered by AI chip, Milesight AI Network Camera is capable of recognizing vast attributes of human, vehicle and object pattern recognition models. As human and vehicle related events are of the utmost importance in monitoring, the filtering is supported to better optimize the efficiency.

AI Video Analytics

Milesight AI Camera Series can intelligently filter objects to focus on human and vehicle detection in multiple events such as Region Entrance, Region Exiting, Loitering, Advanced Motion Detection, etc.

Regional People Counting

With statistic reports for further analysis, high accuracy and real-time regional people counting based on AI algorithm help to make fast decisions on security management and increase the operational efficiency of the business.

Face Detection

Face Detection function detects human faces in the monitoring scene and captures the snapshots. Futher, the Face Attributes Recognition and Face Privacy Mode are supported after detecting, which can not only cater to the scenarios that need fast and accurate face detection, but also fit well for the applications that require high level privacy protection.

Advanced Heat Map

- Improve Store Layout
- Maximize Exposure of Products
- Reach Your Target Customer Precisely
- Drive Better Business Insights with Reports

PTZ/Fisheye Auto Tracking

- Real-time Target Tracking
- Zoom in for Details
- All-round Monitoring without Blind Spots

Distinctiveness

Unparalleled Intelligent Traffic

AI-empowered LPR

▶ **Embedded AI LPR Algorithm**

- Based on AI deep learning neural network
- Detect and recognize vehicles, plates and characters precisely in real-time
- Deal better with smudges, plate variation, lighting changes or different angles compared to traditional LPR algorithm
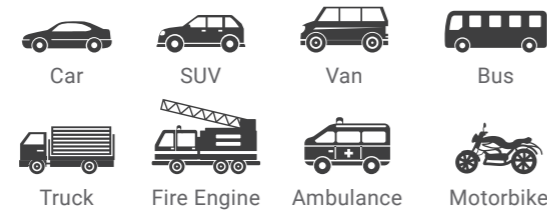
AI-based Vehicle Attributes Recognition

Besides the high accuracy license plate recognition powered by embedded AI LPR algorithm, Milesight Intelligent Traffic camera can also realize AI-based attributes recognition such as vehicle type, brand, vehicle color and plate color, helping gain a new level of insights for further analysis.

	• Motorized Vehicle				• Non-motorized Vehicle
Vehicle Type	Car	SUV	Van	Bus	Bicycle
	Truck	Fire Engine	Ambulance	Motorbike	

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

Vehicle Color

Plate Color

Black	White	Yellow	Blue	Gray	Red	Green

24/7 Round-the-Clock Traffic Monitoring

▶ **Integrated Supplement Light**

Designed for a wide range of applications in traffic monitoring, Milesight Intelligent Traffic cameras are capable of achieving extremely high-quality and reliable license plate capturing in high accuracy. With the powerful capturing performance, Milesight Intelligent Traffic cameras can deliver clear and detailed images of capture results, facilitating effective license plate recognition applications in various scenarios.
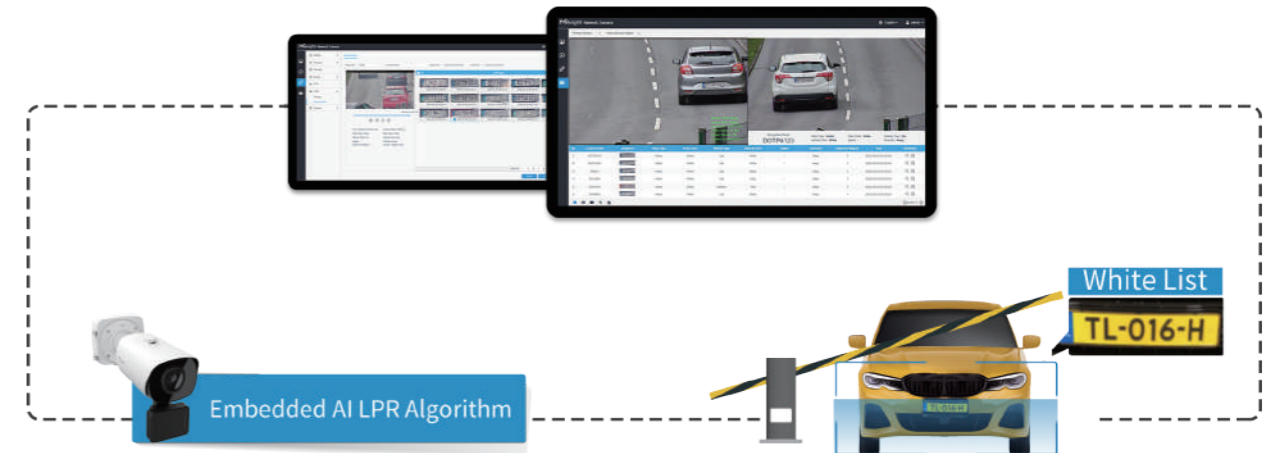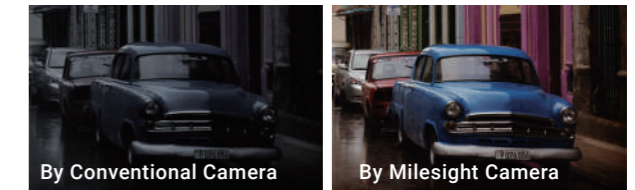
● LPR Image Mode

● Integrated Supplement Light

● HLC (Highlight Compensation)

● 0.002Lux Starlight

HLC Off   HLC On   By Conventional Camera   By Milesight Camera

Embedded AI LPR Algorithm

White List
TL-016-H

Black/White List Management

Milesight Intelligent Traffic Cameras can automatically identify license plates information on whitelists or blacklists and take real-time actions, which is perfect for entrance & exit systems.

Broad Regions and Countries Supported

Milesight Intelligent Traffic cameras are supported to capture and recognize vehicle plates & various attributes from multiple countries and regions, including Mid-East, Africa, Asia-Pacific, America, Europe, Russian-speaking countries.

Integrated Intelligent Traffic Solution

Milesight Intelligent Traffic cameras are fully compatible with Milesight back-end management system and support third-party integration with CGI/APIs, increasing the operational efficiency.

Vehicle Type: SUV
Vehicle Color: Yellow
Plate: E561FCS
Plate Color: White
Speed: 60km/h
Detection Region: 2
Direction: Approach
Count: +1

Integrated 3D Radar

Radar is a detection technology that uses radio waves to determine the velocity, range, or angle of objects. Milesight innovatively combines 3D Radar, AI and LPR technologies to create a camera that can not only identify vehicles and read plates accurately, but also precisely provide extra real-time data of vehicle position, direction and speed, etc.

Excellent Radar Capabilities for Road Monitoring

Adopting 60GHz FMCW radar, Milesight 3D radar technology allows Milesight AI Road Traffic Radar Camera to cover 4 lanes and 32 vehicles detection at one time and detect the high driving speed up to 200km/h with just a compact size of radar module.

| 200km/h Detection Speed | 90m Detection Distance | 2 Vehicle Directions | 4 Lanes Monitoring | 32 Vehicles Detected at One Time | Vehicle Counting |

3D Radar Localization

The 3D radar provides a three-dimensional view of range, altitude and direction which can precisely locate the vehicle compared to conventional radar technology, greatly enhancing the usability of Milesight ANPR solutions with visualized vehicle position.

Accurate Detection for All Weather Conditions

Furthermore, the 3D radar enjoys higher environmental adaptability that can offer precise information in any weather conditions, at any time of day or night, greatly lowering the cost of false alarms.

Foggy Days

Rainy Days

Low Light Environment


Strong Light Environment

5G & IoT for Ultimate Intelligent Surveillance

In addition to AI deep learning, Milesight further combines the cutting-edge 5G and IoT technology in the 5G AIoT Camera to make it a powerful security hybrid for remote video surveillance systems, making high definition video feeds available with near-elimination of latency. Video insights and data from IoT devices aggregated enable situational awareness and analytics-driven insights.

Cutting-edge 5G Wireless Transmission

▶ 5G Ultra Mobility

The built-in 5G module makes Milesight 5G AIoT Camera a truly all-in-one system with higher mobility, supporting 5G network connection and wireless transmission while eliminating extra implement and management compared with add-on routers, and easing the complexity of cable and fiber connections.
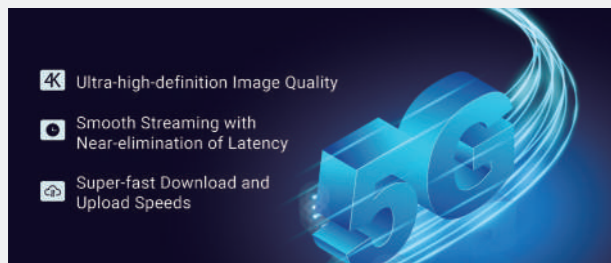
▶ 5G Higher Bandwidth & Lower Latency

5G Higher Bandwidth facilitates the video surveillance with ultra-high-definition image quality up to 4K even 8K, meantime, realizes super-fast download and upload speeds. While the Lower Latency boosts camera responsiveness and real-time monitoring with almost no lagging time.

▶ 5G Massive Capacity

In addition to speed, 5G also offers greater capacity, allowing thousands of devices in a small area to be connected at the same time. In this way, more devices can easily be connected without adding congestion, enabling connection and collection of massive data.
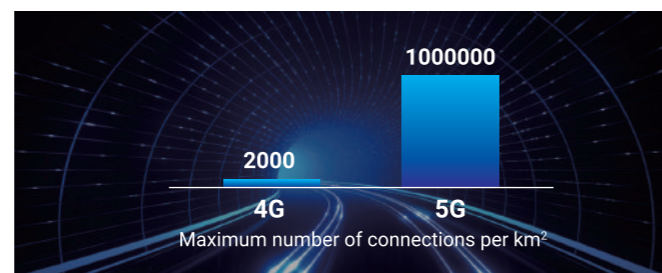
▶ 5G Broad Extensibility

Enjoying a high degree of flexibility and scalability, 5G can not only achieve the deployment of a massive number of connected devices but also mission-critical applications. Moreover, 5G will further open up the use cases for edge computing, benefiting video analytics running on the edge to deliver advanced video analytics solutions.

Emerging IoT Transmission

▶ Embedded IoT Technology

Milesight embedded LPWAN technology, one of the fastest-growing IoT communication strategies, empowers wireless and relatively long-distance connection with lower power consumption. And now, the industry-leading IoT technology via LoRaWAN® is applied in Milesight 5G AIoT Camera.

▶ Sufficient Capacity

The sufficient capacity of IoT technology enables Milesight 5G AIoT Camera to connect potentially millions of devices, covering the integration with billions of IoT devices and realizing the mission-critical applications, making a leap from video surveillance to the world of IoT.

▶ Application Scenarios

Milesight leverages cutting-edge technologies, including Sensory System, IoT technology, 5G, AI deep learning, to realize an intelligent and highly integrated 5G AIoT solution, which is beyond just data collection also draws actionable insights, catering for the scenarios which are not suitable for laying wired network and have high demanding for device stability.

Forest Monitoring
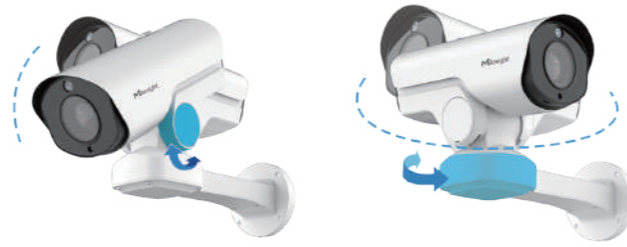
Water and River System Monitoring
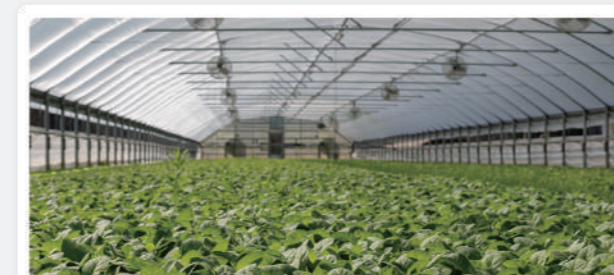
Smart Agriculture

Smart City

PTZ to Move Your World

Pan, Tilt and Zoom Tasks

- Up to 360° Endless Pan & 95° Tilt
- Pan Speed up to 450°/s & Tilt Speed up to 360°/s
- Flexible Zoom Options from 5X to 42X
- Ideal for Wide-area and Long-distance Surveillance

PTZ Privacy Mask

PTZ Privacy Mask features a 3D coordinate system to protect people's privacy. It can keep the specified area masked through manual operations from monitoring no matter how cameras pan/tilt/zoom.

3D Positioning & Keyboard Control

3D Positioning and Keyboard Control allow users to easily adjust the angle of cameras' view and zoom ratio by just using a mouse or a keyboard to get more details from region of interest.

Zoom in
Zoom out
Pan/Tilt/Zoom

Smart Rain-Sensing Wiper (Optional)

Equipped with the rain sensor to detect and the smart rain-sensing wiper to intelligently remove the rain, Milesight AI Speed Dome can clear rainwater automatically, providing sharp images even in rainy days.
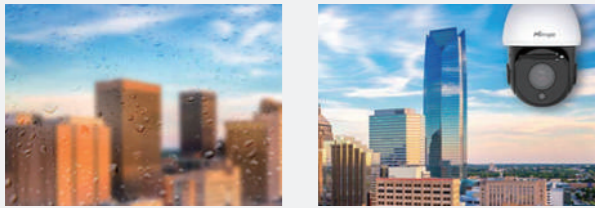
Panoramic View for All-round Surveillance

Stunning Dewarping Ability

The embedded dewarping algorithm can smoothly and fast alter original spherical images into plane images to offer users a complete overview of a wide area without distortion.
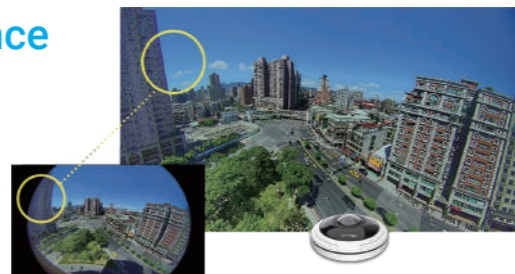
On-board/Client-side Dewarping

Milesight fisheye cameras support two ways of dewarping, bringing users great flexibility during operation.

- On-board Dewarping:
  Easy integration with third-party VMS
- Client-side Dewarping:
  Flexible viewing modes in Live View and Playback

Primary Stream   Secondary Stream

CH1 CH2 CH3 CH4

Two Compatible Modes

- Bundle-stream Mode - For Better Compatibility
  Bundle all channels into one stream and send it to NVR or VMS.

- Multi-Channel Mode - For Easy Operation Send all the original channels to NVR or VMS, allowing separate configurations of each channel.

Color⁺ Awaken Color to Hit the True World
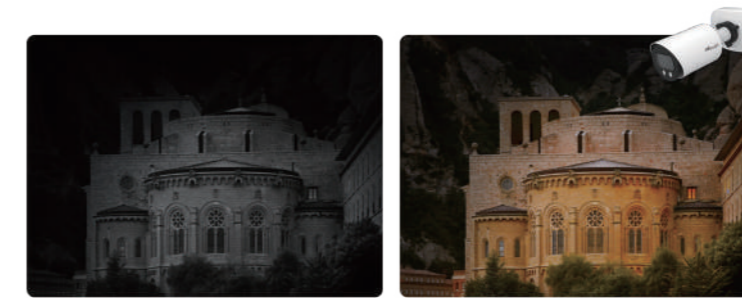
Full-color Image Performance

Combined with built-in warm illuminator, the Color⁺ Camera can deliver colorful and high resolution images in the dark or at night for the majority of monitoring scenarios, like outdoor area, parking lot, retails and so on.

F1.0 Super Aperture

Milesight AI Color⁺ Network Camera is equipped with super large apertures (up to F1.0) that allow 2.2 times more light to pass through than normal cameras. As the larger aperture could let more light pass through to the sensor, the image exposure has been tremendously improved. In low-light scenarios, it works to guarantee full-time and excellent image performance.

Normal   F1.0 Super Aperture
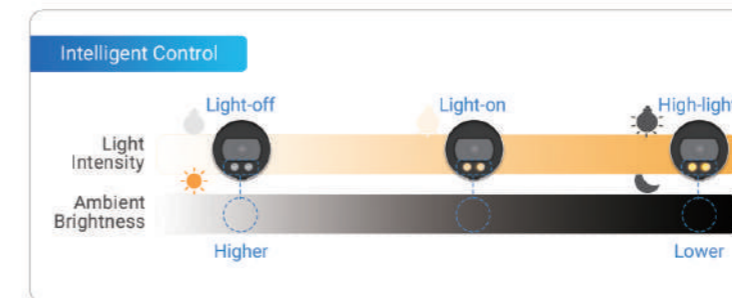
Full-color Image Performance

Milesight AI Color⁺ Network Camera is equipped with intelligent illuminator with Max. 30m illumination distance, which could not only turn on and off the warm light, but also change the luminance of the supplement lighting automatically, achieving a flexible way for the monitoring control.

Intelligent Control
Light-off   Light-on   High-light
Light Intensity
Ambient Brightness
Higher   Lower

Max. 30m illumination distance

Image

Outstanding Viewing Experience

4K/12MP High Resolution
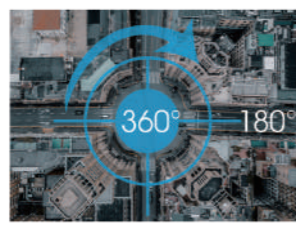
180°/360° Wide Angle Viewing
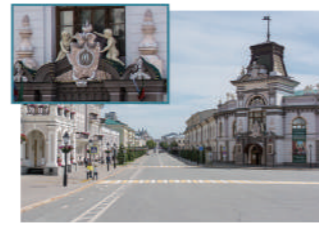
3X to 42X Optical Zoom

60fps/90fps/100fps High Frame Rate

Clear Vision at Night

0.001Lux Starlight

Equipped with Sony Starlight sensor, Milesight cameras can deliver full-color images even in extremely low-light situations without the need of any supplementary light sources.

By Milesight Camera

By Conventional Camera
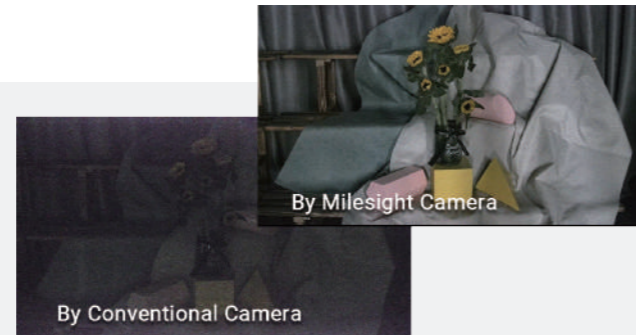
Smart IR II Technology

Smart IR II Technology can adjust the IR illumination intensity automatically as the camera zooms in and out, providing a uniform IR coverage and clear images even in complete darkness.

Excellent Details Under Backlighting

3 in 1 Super WDR Pro-140dB

Milesight Super WDR Pro technology reaching up to 140dB combines 3 frames with multiple exposures to get the optimal images in high contrast lighting situations.

Regular WDR

3 in 1 Super WDR Pro

HLC (Highlight Compensation)

HLC compensates for overexposure from strong source of light and prevents blinding of cameras especially at night time from headlights, enhancing license plate readability.

HLC Off

HLC On

BLC (Backlight Compensation)

BLC optimizes underexposure in the foreground and background of the video by correcting different exposure regions of the scene with varying levels of light.

Advanced Technologies

High-quality Deblur

Speed up the shutter speed under certain gain range to remove blurring artifacts caused by high-speed motion.

Deblur On Deblur Off

P-Iris Control

Adjust automatically and precisely the iris opening in response to changes in light levels, offering optimal image quality with good depth of field.

P-Iris On P-Iris Off

Comprehensive Defogging

Provide clear images in hazy and foggy weather with the built-in fan and heater as well as embedded defogging algorithm.

Defog On Defog Off
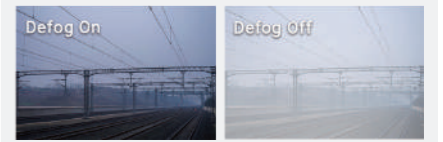
SONY STARVIS 2.0

Ultra-high sensitivity, excellent 4K input image, together with clear HDR, Sony STARVIS 2.0 enables the camera to capture clear images and accommodate more application scenarios.

STARVIS 2 Sensor
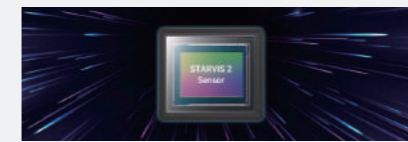
Corridor Mode

Rotate images 90 degree clockwise or anti-clockwise to offer a better viewing experience in tall and narrow surveillance scenarios.

90°

Corridor Mode off Corridor Mode on
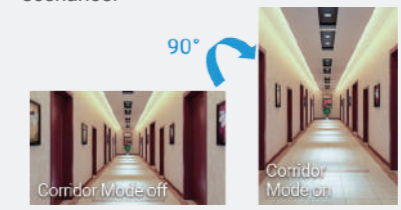
Electronic Image Stabilization

Detect cameras' vibration and automatically adjust frames to align with motion information, enabling cameras to record steady videos.

EIS on EIS off
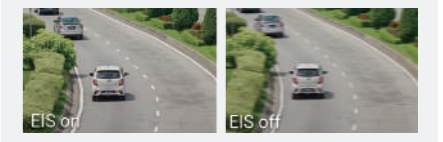
Simplicity

Online Upgrade

Users can update cameras' firmware by just one simple click in the web interface to get and explore the latest new firmware version.

User-friendly UI Design

New upgraded Milesight UI is designed with unique user-friendly logic to deliver a more orderly and more efficient user interface.
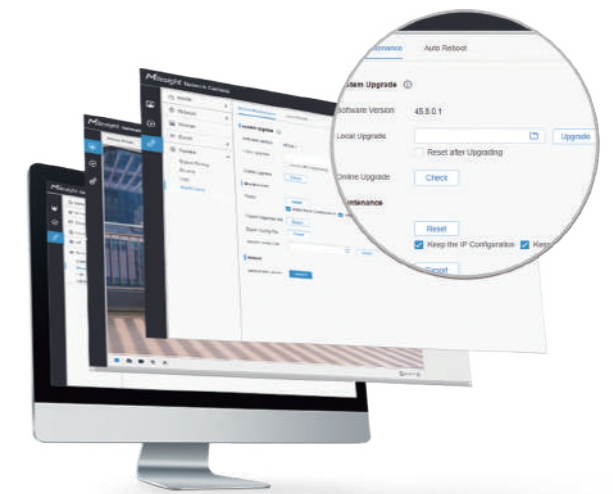
Interoperability

Extensive Compatibility with the Third-party

Offer more flexibility to users by deepening communication with different security system through CGI.

ONVIF Profile G/Q/S/T

Easy to be integrated into security systems on the basis of the ONVIF protocols by supporting ONVIF profile G/Q/S/T.

IPv6 Compatible

Provide a greater number of total unique Internet addresses and an improved level of security of data packets.

SIP/VoIP

Support SIP function which can integrate with various VoIP telephony systems to build a complete communication system.

Cybersecurity

HTML5 Streaming Ready

The barrier-free connection between Milesight cameras and browsers is built with HTML5 streaming to access to all configurations and functions without downloading extra plug-in.

Digital Watermark Encryption

Every individual bit of the video exported from Milesight cameras is embedded with watermark information which could only be checked under Milesight back-end devices to avoid video tampering and ensure the security of data transmission.

Security Certification

Milesight is an ISO9001 authorized company and Milesight products are certificated with CE, FCC, LVD, RoHS, etc., meeting the daunting and demanding requirements of global security industry.

Structure

Full Protection

Milesight cameras are engineered with IP67-rated and IK10-rated housing to guarantee a stable and reliable operation. It can withstand extreme temperatures as low as -40°C and as high as 60°C, ably avoid lightning strikes and electrical surges with 6KV surge protection in harsh climates. Also complying with the EN50155 standard, Milesight Vandal-proof Mini Dome Network Camera is able to offer excellent anti-vibration performance even in applications on board trains, trams, and metros.

IP67 IK10 -40°C 60°C 6KV EN50155

Two Colors Available
Smoked Dome Cover
Built-in Microphone
Clamshell Design
microSD/SDHC/SDXC Card Slot
Reset Button
DC 12V
Alarm I/O & Audio Out & DC 12V
Ethernet Port (PoE)
Cable Management
Water-proof Connector

(Milesight AI Motorized Pro Dome Camera)

Milesight Classic Design

2*IR LEDs with 180° Uniform Coverage
180° Panoramic View
DC 12V
Built-in Microphone
Reset Button
microSD/SDHC/SDXC Card Slot
3-Axis Mechanical Design
Rubber Plug
Rubber Ring
Point-contact Power Supply
Junction Box
Ethernet Port (PoE)
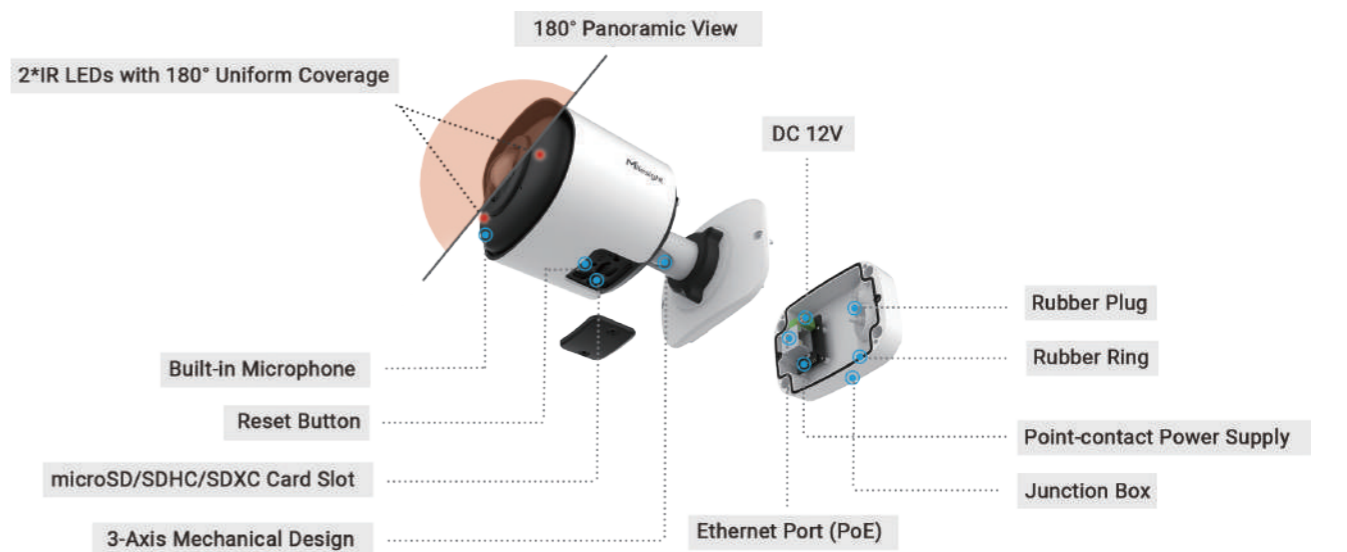
(Milesight AI 180° Panoramic Mini Bullet Camera)

2/5/8 Megapixel AI IR Mini Dome Camera

H.265+ / ULTRA-MINI SIZE / 3-AXIS MECHANICAL DESIGN / 256G / PoE / SIP

NVIF | **GOST**

AI 4K

White Black

KEY FEATURES
- AI Deep Learning
- 0.005Lux Starlight
- 120dB Super WDR
- 20m IR Distance
- 60fps High Frame Rate
- Built-in Microphone
- Recessed Installation

Model	MS-C2983-(R)PD	MS-C5383-PD	MS-C8183-PD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	2.8mm/4mm/6mm@F1.6		
Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Φ97.8mmX57.9mm/200g		

2/5/8 Megapixel AI Vandal-proof Mini Dome Camera

H.265+ / ULTRA-MINI SIZE / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / SIP

NVIF | **GOST**

AI 4K IP67 IK10

White Black

KEY FEATURES
- AI Deep Learning
- 0.005Lux Starlightt
- 120dB Super WDR
- 30m IR Distance
- 60fps High Frame Rate
- Built-in Microphone
- Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2973-(R)PD	MS-C5373-PD	MS-C8173-PD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	2.8mm/4mm/6mm@F1.6		
Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	118.5mmX110.8mmX65mm/500g		

2/5/8 Megapixel AI Weather-proof Mini Dome Camera

H.265+ / ULTRA-MINI SIZE / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / CLAMSHELL DESIGN / 256G / POE / SIP

NVIF | **GOST**

AI 4K IP67 IK10

White Black

KEY FEATURES
- AI Deep Learning
- 0.005Lux Starlight
- 120dB Super WDR
- 25m IR Distance
- Built-in Microphone
- Integrated Junction Box
- Recessed Installation

Model	MS-C2975-(R)PD	MS-C5375-PD	MS-C8175-PD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	2.8mm/4mm/6mm@F1.6		
Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Φ108mmX96.5mm/600g (Junction Box Version); Φ106mmX76.5mm/410g (Cable Out Version)		

2/5/8 Megapixel AI Motorized Dome Camera

H.265+ / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / POE&DC / SIP

NVIF | **GOST**

AI 4K IP67 IK10

White Black

KEY FEATURES
- AI Deep Learning
- Motorized Zoom Lens
- 60fps High Frame Rate
- 0.005Lux Starlight
- 120dB Super WDR
- 50m IR Distance
- Built-in Microphone Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model	MS-C2975-RFPD	MS-C5375-FPD	MS-C8175-FPD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	Motorized 2.7~13.5mm/7~22mm@F1.4		Motorized 2.7~13.5mm@F1.4
Field of View	H111°~H34°/D130°~D39° /V60°~V19°(2.7~13.5mm)	H99°~H31°/D124°~D38° /V72°~V23°(2.7~13.5mm)	H107°~H33°/D125°~D37° /V58°~V18°
Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Φ130mmX115mm/780g		

2/5/8 Megapixel AI Vandal-proof Mini Bullet Camera

H.265⁺ / ULTRA-MINI SIZE / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / POE / SIP

ONVIF | GOST

AI   4K   IP67   IK10

KEY FEATURES
• AI Deep Learning
• 0.005Lux Starlight
• 120dB Super WDR
• 30m IR Distance
• 60fps High Frame Rate
• Point-contact Power Supply

Model	MS-C2964-(R)PD	MS-C5364-PD	MS-C8164-PD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	2.8mm/4mm/6mm@F1.6		
Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	97mmX74mmX180mm/610g(Junction Box Version); 64mmX64mmX160mm/450g(Cable Out Version)		

2/5/8 Megapixel AI Weather-proof Mini Bullet Camera

H.265⁺ / ULTRA-MINI SIZE / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / SIP

ONVIF | GOST

AI   4K   IP67   IK10

KEY FEATURES
• AI Deep Learning
• 0.005Lux Starlight
• 120dB Super WDR
• 50m IR Distance
• 60fps High Frame Rate
• Audio I/O, Alarm I/O, PoE & DC 12V
• Unique Sunshield Design

Model	MS-C2963-RPA	MS-C2963-RPA	MS-C8163-PA
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	4mm/2.8mm/6mm@F1.6		
Field of View	H91°/D106°/V50°(4mm)	H86°/D108°/V63°(4mm)	H91°/D106°/V50°(4mm)
Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Φ76mmX214.5mm/750g		

2/5/8 Megapixel AI Motorized Bullet Camera

H.265⁺ / ULTRA-MINI SIZE / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / POE&DC / SIP

ONVIF | GOST

AI   4K   IP67   IK10

KEY FEATURES
• AI Deep Learning
• Motorized Zoom Lens
• 0.005Lux Starlight
• 120dB Super WDR
• 60fps High Frame Rate
• Smart IR with 50m IR Distance
• Integrated Junction Box
• Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2964-RF(I)PA	MS-C5364-F(I)PA	MS-C8164-F(I)PA
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
WDR	120dB Super WDR		
Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)
Field of View	H111°~H34°/D130°~D39° /V60°~V19° (2.7~13.5mm)	H99°~H31°/ D124°~D38° /V72°~V23° (2.7~13.5mm)	H107°~H33°/D125°~D37° /V58°~V18°
Max. Image Resolution	60fps@(1920x1080)		30fps@(2592x1944)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Φ76mmX239.5mm/825g		

2/5/8 Megapixel AI Motorized Pro Dome Camera

H.265⁺ / MOTORIZED ZOOM LENS / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / CLAMSHELL DESIGN / 256G / SIP

ONVIF | GOST

AI   4K   IP67   IK10

White   Black

SMOKED DOME COVER

KEY FEATURES
• AI Deep Learning
• 1/1.8" STARVIS Starlight Sensor
• 0.002Lux Starlight
• 140dB Super WDR
• 90fps High Frame Rate
• Smart IR II with 90m IR Distance
• Built-in Microphone
• Audio Out, Alarm I/O, PoE & DC 12V
• Integrated Cable Management
• Recessed Installation

Model	MS-C2872-R(T)F(I)PE	MS-C2972-R(T)F(I)PE	MS-C5372-F(I)PE	MS-C8172-F(I)PE	MS-C8272-F(I)PE
Megapixel	2MP		5MP	4K	
Image Sensor	1/2"Progressive Scan CMOS	1/2.8"Progressive Scan CMOS			1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
WDR	140dB Super WDR			120dB Super WDR	
Lens	Motorized 3.6~10mm@F1.4 P-Iris(Optional)	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
Field of View	H104°~H43°/D120°~D50° /V59°~V24°	H115°~H34°/D135°~D39° /V62°~V19° (2.7~13.5mm)	H89°~H30°/D111°~D37° /V66°~V22°(2.7~13.5mm)	H96°~H33°/ D112°~D37° /V53°~V18°	H110°~H46°/D126°~D54° /V61°~V25°
Max. Image Resolution	60fps@(1920x1080) 90fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)	30fps@(3840x2160)	
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG				
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL				
Dimensions/Weight	Φ143mmX108.4mm/1100g				

2/5/8 Megapixel AI Motorized Pro Bullet Camera

H.265⁺ / MOTORIZED ZOOM LENS / IP67 / 3-AXIS MECHANICAL DESIGN / 256G / SIP

Onvif | GOST

AI 4K IP67

KEY FEATURES

- AI Deep Learning
- 1/1.8" STARVIS Starlight Sensor
- 0.005Lux Starlight
- 140dB Super WDR
- 90fps High Frame Rate
- Smart IR II with 100m IR Distance
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model	MS-C2962-R(T)F(I)PE	MS-C5362-F(I)PE	MS-C8162-F(I)PE
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on
WDR	140dB Super WDR	120dB Super WDR	
Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)
IR Distance	Up to 60m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)		Up to 60m
Field of View	H92°~H32°/D107°~D37° /V51°~V18° (2.7~13.5mm)	H89°~H30°/D111°~D37° /V66°~V22° (2.7~13.5mm)	H96°~H33°/D112°~D37° /V53°~V18°
Max. Image Resolution	60fps@(1920x1080) 90fps@(1920x1080)(Optional for T Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	134mmX126mmX285mm/1080g		

2/5/8 Megapixel AI Motorized Pro Bullet Plus Camera

H.265⁺ / MOTORIZED ZOOM LENS / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / POE&DC / 256G / SIP

Onvif | GOST

AI 4K IP67 IK10

KEY FEATURES

- AI Deep Learning
- 1/1.8" STARVIS Starlight Sensor
- 0.002Lux Starlight
- 140dB Super WDR
- 90fps High Frame Rate
- Smart IR II with 100m IR Distance
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model	MS-C2866-R(T)F(I)PE	MS-C2966-R(T)F(I)PE	MS-C5366-F(I)PE	MS-C8166-F(I)PE	MS-C8266-F(I)PE
Megapixel	2MP		5MP	4K	
Image Sensor	1/2" Progressive Scan CMOS		1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
WDR	140dB Super WDR		120dB Super WDR		
Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)			Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
Field of View	H100°~H45°/D116°~D51° / V57°~V25°	H113°~H33°/D130°~D38° /V60°~V18° (2.7~13.5mm)	H113°~H33°/D138°~D42° /V83°~V25° (2.7~13.5mm)	H110°~H33°/D118°~D38° /V60°~V18°	H116°~H48°/D134°~D55° /V65°~V27°
Max. Image Resolution	60fps@(1920x1080) 90fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)	30fps@(3840x2160)	
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG				
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL				
Dimensions/Weight	301mmX108mmX126mm/1630g				

2/5/8 Megapixel AI 4X/12X Pro Bullet Plus Camera

H.265⁺ / IP67 / IK10 / 3-AXIS MECHANICAL DESIGN / 256G / SIP

Onvif | GOST

AI 4K IP67 IK10

KEY FEATURES

- AI Deep Learning
- 4X/12X Optical Zoom, Auto Focus
- 0.002Lux Starlight
- 140dB Super WDR
- 90fps High Frame Rate
- Smart IR II with 180m IR Distance
- Audio I/O, Alarm I/O, PoE & DC12V
- Integrated Junction Box

Model	MS-C2866-X4R(T)PE	MS-C2966-X12R(T)PE	MS-C5366-X12PE	MS-C8266-X4PE
Megapixel	2MP		5MP	4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR		120dB Super WDR	
Lens	8~32mm, 4X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	8~32mm, 4X Optical Zoom, 16X Digital Zoom
Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	H44°~H13°/D51°~D15°/V25°~V7°
Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG			
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Dimensions/Weight	320mmX134mmX126mm/1447g			

2/5/8 Megapixel AI Pro Box Plus Camera

H.265⁺ / POE & DC / 0.001LUX ULTRA LOW-LIGHT / 256G / SIP

Onvif | GOST

AI 4K

KEY FEATURES

- AI Deep Learning
- 0.001Lux Starlight
- 140dB Super WDR
- 60fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2852-RPE	MS-C2952-RPE	MS-C5352-PE	MS-C8152-PE
Megapixel	2MP		5MP	4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@F1.2	Color: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2	Color: 0.005Lux@F1.2 B/W: 0.002Lux@F1.2	Color: 0.01Lux@F1.2 B/W: 0.005Lux@F1.2
WDR	140dB Super WDR		120dB Super WDR	
Iris	P-Iris/DC-Iris			
Max. Image Resolution	60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG			
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
People Counting &Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, Defog, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
Dimensions/Weight	130mmX75mmX66mm/366g			

2/5 Megapixel AI 12X/20X/23X PTZ Dome Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / IK10 / IR ANTI-REFLECTION PANEL / 256G / SIP

ONVIF | GOST

AI IP66 IK10

SMOKED DOME COVER

White Black

KEY FEATURES

- AI Deep Learning
- 360° Endless Pan & 95° Auto-flip Tilt
- 12X/20X/23X Optical Zoom
- Pan Speed 450°/s, Tilt Speed 360°/s
- Smart IR II with 160m IR Distance
- 0.002Lux @1/2" STARVIS Sensor
- 140dB Super WDR
- 100fps High Frame Rate
- Audio I/O, Alarm I/O, PoE & DC 12V
- Recessed Installation

Model	MS-C2971-X23R(T)PE	MS-C5371-X12PE
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR	120dB Super WDR
Lens	5~117mm, 23X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom
Field of View	H60°~H3°/D69°~D4°/ V35°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
Pan Range/Speed	360° endless; Pan Manual Speed: 0.1°~450°/s, Pan Preset Speed: 450°/s	
Tilt Range/Speed	-5°~90° (Auto Flip); Tilt Manual Speed: 0.1°~360°/s, Tilt Preset Speed: 360°/s	
Preset Quantity	300	
Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns	
Max. Image Resolution	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)	30fps@(2592x1944)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight	Φ183mmX174.8mm/2Kg	

2/5 Megapixel AI 12X PTZ Bullet Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / 256G / SIP

ONVIF | GOST

AI IP66

Wall Mount Pedestal Mount

KEY FEATURES

- AI Deep Learning
- 360° Endless Pan & 75° Tilt
- 12X Optical Zoom
- Smart IR II with 140m IR Distance
- 0.005Lux Starlight
- 140dB Super WDR
- Intelligent White LED
- Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2961-X12R(T)(P)E	MS-C5361-X12(P)E
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR	120dB Super WDR
Lens	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	
Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
Pan Range/Speed	360°endless / Pan Manual Speed: 0.1°~50°/s, Pan Preset Speed: 50°/s	
Tilt Range/Speed	-45°~30° / Tilt Manual Speed: 0.1°~25°/s, Tilt Preset Speed: 25°/s	
Preset Quantity	300	
Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns	
Max. Image Resolution	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)	30fps@(2592x1944)
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight	160mmX273.5mmX210mm/2Kg (Wall Mount) 218mmX120mmX172mm/1.8Kg (Pedestal Mount)	

2/5/8 Megapixel AI 5X/20X/23X PTZ Bullet Plus Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / 256G / SIP

ONVIF | GOST

AI 4K IP66

KEY FEATURES

- AI Deep Learning
- 360° Endless Pan & 75° Tilt
- 5X/20X/23X Optical Zoom
- Smart IR II with 180m IR Distance
- 0.002Lux Starlight
- 3 in 1 Super WDR Pro-140dB
- Intelligent White LED
- Audio I/O, Alarm I/O, PoE & DC 12V
- New-generation PTZ Motor

Model	MS-C2867-X20TPC	MS-C2967-X23R(T)PC	MS-C5367-X23PC	MS-C8267-X5PC	MS-C8267-X20PC
Megapixel	2MP		5MP	4K	
Image Sensor	1/2"Progressive Scan CMOS	1/2.8"Progressive Scan CMOS		1/1.8"Progressive Scan CMOS	
Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on	Color: 0.008Lux@F1.5 B/W: 0Lux with IR on	Color: 0.009Lux@F1.7 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR Pro	140dB Super WDR (Super WDR Pro is optional for T Series)		120dB Super WDR	
Lens	6.4~128mm, 20X Optical Zoom, 16X Digital Zoom	5~117mm, 23X Optical Zoom, 16X Digital Zoom		11~55mm, 5X Optical Zoom, 16X Digital Zoom	6.4~128mm, 20X Optical Zoom, 16X Digital Zoom
Field of View	H60°~H3°/D67°~D4°/V37°~V1	H60°~H3°/D69°~D4°/V35°~V2°	H55°~H3°/D68°~D4°/V42°~V2°	H36°~H8°/D41°~D9°/V21°~V5°	H60°~H3°/D67°~D4°/V37°~V1°
Pan Range/Speed	360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s				
Tilt Range/Speed	-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s				
Preset Quantity	300				
Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns				
Max. Image Resolution	60fps@(1920x1080) 100fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)	30fps@(3840x2160)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG				
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL				
Dimensions/Weight	110mmX337mmX220mm/2.9Kg				

2/5 Megapixel AI 23X/30X Speed Dome Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / 256G / POE / SIP

ONVIF | GOST

AI IP66 Wiper

KEY FEATURES

- AI Deep Learning
- 360° Endless Pan & 95° Auto-flip Tilt
- 23X/30X Optical Zoom
- Pan Speed 400°/s, Tilt Speed 320°/s
- Smart IR II with up to 200m IR Distance
- Smart Rain-sensing Wiper
- 140dB Super WDR
- 0.005Lux Starlight
- Audio I/O, 4*Alarm In, 2*Alarm Out, PoE & AC 24V

Model	MS-C2941- X23R(T)PE	MS-C2941- X30R(T)PE (/W)	MS-C5341-X23PE	MS-C5341-X30PE (/W)
Megapixel	2MP		5MP	
Image Sensor	1/2.8"Progressive Scan CMOS			
Min. Illumination	Color: 0.005Lux@F1.5, B/W: 0Lux with IR on		Color: 0.008Lux@F1.5, B/W: 0Lux with IR on	
WDR	140dB Super WDR		120dB Super WDR	
Lens	5~117mm, 23X Optical Zoom, 16X Digital Zoom	4.7~141mm, 30X Optical Zoom, 16X Digital Zoom	5~117mm, 23X Optical Zoom, 16X Digital Zoom	4.7~141mm, 30X Optical Zoom, 16X Digital Zoom
Field of View	H60°~H3°/D69°~D4°/V35°~V2°	H62°~H3°/D70°~D3°/V37°~V1°	H55°~H3°/D68°~D4° /V42°~V2°	H58°~H3°/D71°~D3° /V44°~V2°
Pan Range/Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s			
Tilt Range/Speed	-5°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s			
Preset Quantity	300			
Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns			
Max. Image Resolution	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Wiper(Optional)	-	Support	-	Support
Dimensions/Weight	Φ205mmX308mm/4Kg			

2/5/8 Megapixel AI 36X/42X Speed Dome Camera

H.265⁺ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / 256G / SIP

ONVIF | GQST

AI | 4K | IP66 | Wiper

KEY FEATURES
- AI Deep Learning
- 360° Endless Pan & 95° Auto-flip Tilt
- 36X/42X Optical Zoom
- Pan Speed 400°/s, Tilt Speed 320°/s
- 1/1.8" STARVIS Starlight Sensor
- Smart IR II with 300m IR Distance
- Smart Rain-sensing Wiper
- 140dB Super WDR
- 0.005Lux Starlight
- Audio I/O, 4*Alarm In, 2*Alarm Out, PoE & AC 24V

Model	MS-C4441-X36RPE (/W)	MS-C2941- X42R(T)PE (/W)	MS-C5341-X42PE (/W)	MS-C8241-X36PE (/W)
Megapixel	4MP	2MP	5MP	4K
Image Sensor	1/2"Progressive Scan CMOS	1/2.8"Progressive Scan CMOS		1/1.8"Progressive Scan CMOS
Min. Illumination	Color: 0.008Lux@F1.55 B/W: 0Lux with IR on	Color: 0.005Lux@F1.8 B/W: 0Lux with IR on	Color: 0.008Lux@F1.8 B/W: 0Lux with IR on	Color: 0.009Lux@F1.55 B/W: 0Lux with IR on
WDR	140dB Super WDR		120dB Super WDR	
Lens	5.7~205.2mm, 36X Optical Zoom, 16X Digital Zoom	7~300mm, 42X Optical Zoom, 16X Digital Zoom		5.7~205.2mm, 36X Optical Zoom, 16X Digital Zoom
Field of View	H58.4°~H2.43°/D66.3°~D2.79° / V34.1°~V1.37°	H45°~H2°/D50°~D2°/V27°~V1°	H43°~H2°/D53°~D2° /V33°~V1°	H60.9°~H2.66°/D68.4°~D3.05° / V36°~V1.5°
Pan Range/Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s			
Tilt Range/Speed	-5°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s			
Preset Quantity	300			
Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns			
Max. Image Resolution	60fps@(2304x1728)	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG			
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Wiper(Optional)	Support			
Dimensions/Weight	Φ205mmX308mm/4Kg			

8/12 Megapixel AI 360° Panoramic Fisheye Camera

H.265⁺ / FISHEYE AUTO TRACKING / HEAT MAP / 9 DISPLAY MODES / IP67 / IK10 / 256G / SIP

ONVIF | GQST

AI | 12MP | IP67 | IK10

KEY FEATURES
- AI Deep Learning
- 360° Panoramic View
- On-board and Client-side Dewarping
- Smart IR II with 15m IR Distance
- 0.008Lux Starlight
- 120dB Super WDR
- Built-in Microphone, Audio I/O, Alarm I/O, PoE & DC 12V
- Ceiling Mount, Wall Mount and Flat Mount Available

Model	MS-C8274-PA	MS-C9674-PA
Megapixel	4K	12MP
Image Sensor	1/1.8"Progressive Scan CMOS	1/1.7"Progressive Scan CMOS
Min. Illumination	Color: 0.008Lux@F1.8, B/W: 0Lux with IR on	Color: 0.05Lux@F2.8, B/W: 0Lux with IR on
WDR	120dB Super WDR	
Lens	1.5mm@F1.8	1.98mm@F2.8
Field of View	Ceiling Mount: 360°; Wall Mount: 180°; Flat Mount: 360°	
Max. Image Resolution	3840x2160(Max. Input Resolution)	4000x3000(Max. Input Resolution)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264	
Mount Mode	Ceiling Mount/Wall Mount/Flat Mount	
Display Mode	On-board Dewarping/Client-side Dewarping	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight	Φ140mmX45.4mm/700g	

5/8 Megapixel AI 180° Panoramic Mini Bullet Camera

H.265⁺ / STUNNING DEWARPING CAPABILITY / IP67 / IK10 / 256G / POE&DC / SIP

ONVIF | GQST

AI | 4K | IP67 | IK10

KEY FEATURES
- AI Deep Learning
- 180° Panoramic View
- Smart IR II with 15m IR Distance
- 0.008Lux Starlight
- 120dB Super WDR
- Advanced Heat Map
- Built-in Microphone
- Point-contact Power Supply

Model	MS-C5365-PE	MS-C8165-PE
Megapixel	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS	
Min. Illumination	Color: 0.008Lux@F2.0 B/W: 0Lux with IR on	Color: 0.012Lux@F2.0 B/W: 0Lux with IR on
WDR	120dB Super WDR	
Lens	1.68mm@F2.0	
Field of View	H180°/V95°	H180°/V86°
Max. Image Resolution	30fps@(2592x1944)(Original) 30fps@(2560x1440)	25fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight	95.8mmX74mmX158.5mm/630g	

5/8 Megapixel AI 180° Panoramic Mini Dome Camera

H.265⁺ / STUNNING DEWARPING CAPABILITY / IP67 / IK10 / 256G / POE&DC / SIP

ONVIF | GQST

AI | 4K | IP67 | IK10

White | Black

KEY FEATURES
- AI Deep Learning
- 180° Panoramic View
- Smart IR II with 15m IR Distance
- 0.008Lux Starlight
- 120dB Super WDR
- Advanced Heat Map
- Built-in Microphone

Model	MS-C5376-PE	MS-C8176-PE
Megapixel	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS	
Min. Illumination	Color: 0.008Lux@F2.0 B/W: 0Lux with IR on	Color: 0.012Lux@F2.0 B/W: 0Lux with IR on
WDR	120dB Super WDR	
Lens	1.68mm@F2.0	
Field of View	H180°/V95°	H180°/V86°
Max. Image Resolution	30fps@(2592x1944)(Original) 30fps@(2560x1440)	25fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG	
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight	Φ127mmX107mm/853g	

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

5G / H.265⁺ / 3-AXIS MECHANICAL DESIGN / P2P / 256G / POE&DC

Onvif | GOST

5G | AI | 4K

KEY FEATURES
- AI Deep Learning
- 5G Technology
- 4X/12X Optical Zoom, Auto Focus
- 0.005Lux Starlight
- 3 in 1 Super WDR Pro-140dB
- 100fps High Frame Rate
- Smart IR II with 180m IR Distance
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model		MS-C2966-X12R(T)GPC	MS-C8266-X4GPC
Megapixel		2MP	4K
Image Sensor		1/2.8"Progressive Scan CMOS	1/1.8"Progressive Scan CMOS
Lens		5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom
Field of View		H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
Max. Frame Rate		60fps@(1920x1080), 100fps@(1920x1080)(Optional for T Series)	30fps@(3840x2160)
Mobile Communication Parameter	Wireless Communication	Support 5G/4G/3G	
	Frequency Bands — 5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n28/n41/n66/n71/n77/n78/n79	
	Wireless Transmission Speed — SA	DL 3.3Gbps; UL 250Mbps	
	Wireless Transmission Speed — NSA	DL 3.4Gbps; UL 200Mbps	
	SIM Card	Nano SIM	
Protocol		IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Dimensions/Weight		320mmX134mmX126mm/1608g 320mmX134mmX292mm/1608g (With 5G Antennas)	

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

5G / IOT / H.265⁺ / 3-AXIS MECHANICAL DESIGN / P2P / 256G / POE&DC

Onvif | GOST

5G | IoT | AI | 4K

KEY FEATURES
- AI Deep Learning
- 5G & IoT Technoogy
- 4X/12X Optical Zoom, Auto Focus
- 0.005Lux Starlight
- 3 in 1 Super WDR Pro-140dB
- 100fps High Frame Rate
- Smart IR II with 180m IR Distance
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model		MS-C2966-X12R(T)GOPC	MS-C8266-X4GOPC	MS-C2966-X12R(T)OPC
Megapixel		2MP	4K	2MP
Image Sensor		1/2.8"Progressive Scan CMOS	1/1.8"Progressive Scan CMOS	1/2.8"Progressive Scan CMOS
Lens		5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom
Field of View		H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°
Mobile Communication Parameter	Wireless Communication	Support 5G/4G/3G		-
	Frequency Bands — 5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n28/n41/n66/n71/n77/n78/n79		-
	Wireless Transmission Speed — SA	DL 3.3Gbps; UL 250Mbps		-
	Wireless Transmission Speed — NSA	DL 3.4Gbps; UL 200Mbps		-
	SIM Card	Nano SIM		-
LoRaWAN®	Antenna	1*50ΩSMA-Female External Antenna Connector		
	Channel	8 channels simultaneously		
	Demodulation	1Mhz		
	Frequency Band	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923		
	Sensitivity	-140dBm Sensitivity @292bps		
	Output Power	27dBm Max		
	Protocol	V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C		
	Communication Range	Up to 15km		

2/5/8 Megapixel 5G AI Motorized Pro Bullet Plus Camera

5G / H.265⁺ / HEAT MAP / 3-AXIS MECHANICAL DESIGN / 256G / POE&DC

Onvif | GOST

5G | AI | 4K

KEY FEATURES
- AI Deep Learning
- 5G Technology
- Motorized Zoom Lens
- 0.005Lux Starlight
- 140dB Super WDR
- 4K Resolution
- Smart IR With 100m IR Distance
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Junction Box

Model			MS-C2966-RF(I)GPC	MS-C5366-F(I)GPC	MS-C8266-F(I)GPC
Megapixel			2MP	5MP	4K
Image Sensor			1/2.8"Progressive Scan CMOS		1/1.8"Progressive Scan CMOS
Lens			Motorized 2.7~13.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 3.6~10mm@F1.4 P-Iris(Optional)
Field of View			H113°~H33°/D130°~D38° /V60°~V18° (2.7~13.5mm)	H113°~H33°/D138°~D42° /V83°~V25° (2.7~13.5mm)	H116°~H48°/D134°~D55°/V65°~V27°
Max. Image Resolution			60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
Mobile Communication Parameter	Wireless Communication		Support 5G/4G/3G		
	Frequency Bands	5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n28/n41/n66/n71/n77/n78/n79		
		LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21(TBD)/ B25/B26/B28/B29/B30/B32/B66/B71		
	Wireless Transmission Speed	SA	DL 3.3Gbps; UL 250Mbps1		
		NSA	DL 3.4Gbps; UL 200Mbps		
	SIM Card		Nano SIM		
Protocol			IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Communication Range			320mmX134mmX126mm/1650g 320mmX134mmX292mm (With Antennas)/1650g		

2/5/8 Megapixel AI Color+ Vandal-proof Mini Bullet Camera

FULL-COLOR / F1.0 SUPER APERTURE / H.265⁺ / ULTRA-MINI SIZE / IP67 / IK10 / 256G

Onvif | GOST

Color⁺ | AI | 4K

IP67 | IK10

KEY FEATURES
- AI Deep Learning
- Full-color Image Performance
- 0.001Lux Starlight
- 120dB Super WDR
- 4K Resolution
- Point-contact Power Supply
- 3-Axis Mechanical Design

Model	MS-C2964-(R)UPD	MS-C5364-UPD	MS-C8164-UPD
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8"Progressive Scan CMOS		
Min. Illumination	Color: 0.001Lux@F1.0 0Lux with White LED on	Color: 0.002Lux@F1.0 0Lux with White LED on	Color: 0.005Lux@F1.0 0Lux with White LED on
WDR	120dB Super WDR		
Lens	2.8mm/4mm@F1.0		
Field of View	H109°/D125°/V61°(2.8mm) H87°/D100°/V49°(4mm)	H104°/D129°/V78°(2.8mm) H81°/D100°/V61°(4mm)	H108°/D125°/V60°(2.8mm) H87°/D101°/V49°(4mm)
Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG		
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Intelligent Analytics	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB,IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
Event Trigger	Motion Detection, Network Disconnection, etc.		
Housing	IP67/IK10		
Dimensions/Weight	97mmX74mmX180mm/610g(Junction Box Version); 64mmX64mmX160mm/450g(Cable Out Version)		

3D ToF People Counting Sensor

3D TOF/ 99.5% HIGH ACCURACY/ ANONYMOUS DETECTION/ GDPR/ BI-DIRECTIONAL

3DToF | **High Accuracy** | **Anonymous Detection** | **GDPR**
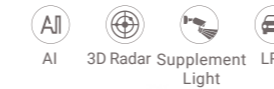
KEY FEATURES
• 3D ToF Technology
• 100% Anonymous Detection
• 99.5% Ultra-high Accuracy
• Smart U-Turn Detection
• Bi-directional Counting
• Great Lighting Environments Adaptability
• Large Detection Area
• Powerful Local Storage Capacity

Model	VS132-915M/868M
Wireless Transmission Protocol	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Max Tx Power	16dBm (868 MHz)/22dBm (915 MHz)/19dBm (470 MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class C
People Counting ToF FoV	92.5°Horizontal, 67°Vertical
Detection Range	0.5 to 3m
Installation Height	≤ 3m
Accuracy	>99.5%
Local Storage	1,000,000 data records
Advanced Setting	Entrance and exit area customization
Interface Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz, only support configuration
Ethernet Port	1×RJ45 10/100 Mbps Ethernet Port (PoE PD), provides CGI for integration
Power Input	2-pin 5.08 mm Terminal Block
Power Supply	12 VDC, 2A by Terminal Block 1×802.3 at PoE input
Physical Characteristics Power Consumption	Typical 7.5 W, max 28 W
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-20°C ~ +60°C
Relative Humidity	0 ~ 95% (Non-condensing)
Color & Material	Black, Aluminum Alloy
Dimension	140x50 x 50 mm (5.51 x1.97x 1.97 in)
Weight	296 g
Installation	Ceiling Mounting, Wall Mounting, Embedded Mounting

Milesight Road Traffic Management

ONVIF GQST

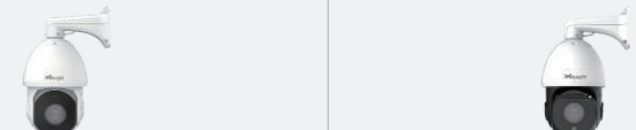**AI** | **3D Radar** | **Supplement Light** | **LPR**

KEY FEATURES
• Advanced AI LPR Algorithm
• Traffic Flow Statistics and Analysis
• Evidence Camera Linkage
• No-plate Vehicle Detection
• LPR Smart Search Function
• License Plate Administration
• Superior Image Quality
• Maximized Flexibility

AI Road Traffic Pro Bullet Plus Camera			
Model	TS2866-X4TPE(2MP)	TS2966-X12TPE(2MP)	TS8266-X4PE(4K)
Appearance			
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR		120dB Super WDR
Lens	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom
Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
Road Traffic Management Max. Vehicle Speed	200km/h		
Recognition Accuracy	>95%		
Coverage	Support simultaneous detection of 4 regions		
Country Region Supported	More than 80 countries and regions		
Illumination Distance	Up to 30m		
Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture		
Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management		
Interface	Audio I/O, Alarm I/O*2, PoE (802.3at), DC 12V		
Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		

AI Road Traffic Radar Pro Bullet Plus Camera			
Model	TS2866-X4TVPE(2MP)	TS2966-X12TVPE(2MP)	TS8266-X4VPE(4K)
Appearance			
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom
Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
Road Traffic Management Max. Vehicle Speed	200km/h		
Recognition Accuracy	>95%		
Coverage	Support simultaneous detection of 4 regions		
Country Region Supported	More than 80 countries and regions		
Illumination Distance	Up to 30m		
Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed Detection, Traffic Flow Detection		
Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management		
Radar Working Frequency	60GHz, 61~62GHz		
Capture Rate	>99% (Traffic jam >95%)		
Lane Coverage	1~4 Lanes (Recognition ≥95% individually)		
Tracking Target	Up to 32		
Speed Detection Range & Accuracy	±5km/h~±200km/h; ±0.36km/h(Accuracy)		
Detection Distance & Accuracy	Up to 90m; ±0.4m(Accuracy)		
Installation Height	2~7m		
Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V		
Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		

AI Road Traffic Supplement Light Pro Bullet Plus Camera

		TS2866-X4TWE /W (2MP)	TS8266-X4TWE /R (2MP)	TS8266-X4WE /W (4K)	TS8266-X4WE /R (4K)
Model		TS2866-X4TWE /W (2MP)	TS8266-X4TWE /R (2MP)	TS8266-X4WE /W (4K)	TS8266-X4WE /R (4K)
Appearance					
Image Sensor		1/2" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS	
Min. Illumination		Color: 0.002Lux@F1.6 B/W: 0Lux with IR on			
WDR		140dB Super WDR			
Lens		8~32mm, 4X Optical Zoom			
Field of View		H44°~H13°/D51°~D15°/V25°~V7°			
Road Traffic Management	Max. Vehicle Speed	200km/h			
	Recognition Accuracy	>95%			
	Coverage	Support simultaneous detection of 4 regions			
	Country Region Supported	More than 80 countries and regions			
	Illumination Distance	Up to 40m			
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture			
	Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management			
Illuminator	Supplement Light	White LED Light	IR LED Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize			
Interface		RS485, Audio I/O, Alarm I/O*2, Ethernet Port, DC 12V			
Compatibility		API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T			

AI Road Traffic 5G Pro Bullet Plus Camera

		TS2866-X4TGPC(2MP)
Model		TS2866-X4TGPC(2MP)
Appearance		
Image Sensor		1/2" Progressive Scan CMOS
Lens		8~32mm, 4X Optical Zoom
Field of View		H44°~H13°/D51°~D15°/V25°~V7°
Min. Illumination		Color: 0.002Lux@F1.6 B/W: 0Lux with IR on
WDR		140dB Super WDR Pro
Min. Illumination		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Road Traffic Management	Max. Vehicle Speed	200km/h
	Recognition Accuracy	>95%
	Coverage	Support simultaneous detection of 4 regions
	Country Region Supported	More than 80 countries and regions
	Illumination Distance	Up to 30m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture
	Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management
	White/Black List	Up to 1000 records inside the camera
	LPR Smart Search	Support
Mobile Communication Parameter	Wireless Communication	Support 5G/4G/3G
	Frequency Bands / 5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n28/n41/n66/n71/n77/n78/n79
	Frequency Bands / LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21(TBD)/B25/B26/B28/B29/B30/B32/B66/B71
	Wireless Transmission Speed / SA	DL 3.3Gbps; UL 250Mbps
	Wireless Transmission Speed / NSA	DL 3.4Gbps; UL 200Mbps
	SIM Card	Nano SIM
Interface		1*RJ45 10M/100M Ethernet Port
Compression		G.711/AAC/G.722/G.726

AI Road Traffic PTZ Bullet Camera / AI Road Traffic PTZ Bullet Plus Camera

		AI Road Traffic PTZ Bullet Camera		AI Road Traffic PTZ Bullet Plus Camera
Model		TS2961-X12TPE(2MP)	TS5361-X12PE(5MP)	TS2867-X5TPC(2MP)
Appearance				
Image Sensor		1/2.8" Progressive Scan CMOS		1/2" Progressive Scan CMOS
Lens		5.3~64mm, 12X Optical Zoom		11~55mm, 5X Optical Zoom
Field of View		H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	H34°~H8°/D39°~D9°/V20°~V4°
Max. Frame Rate		90fps@(1920x1080)	30fps@(2592x1944)	100fps@(1920x1080)
WDR		140dB Super WDR	120dB Super WDR	140dB Super WDR Pro
Video Compression		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Road Traffic Management	Max. Vehicle Speed	200km/h		
	Recognition Accuracy	>95%		
	Coverage	Support simultaneous detection of 4 regions		
	Illumination Distance	Up to 30m		
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture		
	Smart Traffic Detection	Evidence Camera Linkage, Parking Violation Detection, Vehicle Counting Based on Vehicle Type, Specific Lane Management, Specific Time Management		
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~50°/s, Pan Preset Speed: 50°/s		360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~25°/s, Tilt Preset Speed: 25°/s		-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s
	Preset/Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 patterns		
Interface		Audio I/O (Optional), Alarm I/O (Optional), PoE (802.3at), DC 12V		Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Compatibility		API, HTTP, TCP, ONVIF Profile G & Q & S & T		

AI Road Traffic Speed Dome Camera

		TS2841-X36TPC(2MP)	TS2841-X36TPC /W (2MP)
Model		TS2841-X36TPC(2MP)	TS2841-X36TPC /W (2MP)
Appearance			
Image Sensor		1/2" Progressive Scan CMOS	
Lens		5.7~205.2mm, 36X Optical Zoom	
Field of View		H63°~H3°/D69°~D3°/ V38°~V1°	
Max. Frame Rate		60Hz/50Hz: 100fps@(1920x1080, 1280x960, 1280x720, 704x576)	
WDR		140dB Super WDR Pro	
Video Compression		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Road Traffic Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	Illumination Distance	Up to 50m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Detection	Evidence Camera Linkage, Parking Violation Detection, Vehicle Counting Based on Vehicle Type, Specific Lane Management, Specific Time Management	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s	
	Tilt Range/Tilt Speed	-5°~90° / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s	
	Preset/Patrol/Pattern	8 Patrols, up to 48 presets each patrol,4 patterns	
Wiper		-	Support
Interface		RS485, Audio I/O, 4*Alarm In, 2*Alarm Out, PoE (802.3at), AC 24V	
Compatibility		API, HTTP, TCP, ONVIF Profile G & Q & S & T	

	AI Road Traffic Parking Detection Pro Bullet Plus Camera
Model	TS8266-FPE /P (2MP)
Appearance	
Image Sensor	1/1.8" Progressive Scan CMOS
Lens	Motorized 3.6~10mm@F1.4
Field of View	H116°~H48°/D134°~D55°/V65°~V27°
Min. Illumination	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
WDR	120dB Super WDR

Road Traffic Management	Smart Traffic Function	Parking Detection, Parking Violation Detection
	Detection Space	Support simultaneous detection of 4 parking spaces
		Support simultaneous detection of 2 illegal parking areas
	Recognition Accuracy	98%
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture
	Country Region Supported	More than 80 countries and regions
	Parking Smart Search	Support
Video	Max. Image Resolution	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG
Interface	Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T

4G Solar-powered Traffic Sensing Camera

SOLAR POWERED / RADAR TRIGGER / WI-FI SUPPORTED / 3-AXIS MECHANICAL DESIGN / MQTT

Onvif|GQST

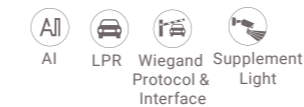4G · Solar-Powered · Object Capture · Radar Triggered

KEY FEATURES
- Solar Power Supported
- 4G LTE
- Low Power Consumption
- Radar Triggered
- Quick Start Capture
- Wi-Fi Supported for Quick Configuration

		4G Solar-powered Traffic Sensing Camera
	Model	SC211-NA/EU/AU(2MP)
Capture Performance	Capture Rate	≥95%
	Optimal Capture Distance	6m (With 6mm lens) 15m~20m (With 16mm lens)
	Capture Range	3~15m (With 6mm lens) 10~25m (With 16mm lens)
	Nighttime Capture Distance	Up to 15m (With 6mm lens) Up to 25m (With 16mm lens)
	Capture Speed	Be recommended to use when the vehicle speed <30km/h (With 6mm lens); Be recommended to use when the vehicle speed <70km/h (With 16mm lens)
Wireless Network	WLAN	802.11n/802.11b/802.11g
	Cellular	4G LTE NA: B2/B4/B5/B12/B13/B25/B26 EU: B1/B3/B7/B8/B20/B28 AU: B1/B2/B3/B4/B5/B7/B8/B28/B66
	SIM Card	Mini SIM
Lens	Lens	16mm/6mm
	Field of View	H19.4° /D22.2° /V11° (16mm) H52.8°/D60.4°/V29.7° (6mm)
Image	Max. Resolution	1920×1080
General	GPS	Built-in High-accuracy GPS Module
	Protocol	MQTT
	Solar Power — Power	≥35W
	Solar Power — OCV	<22V
	Solar Power — Connector	MC4
	Power Supply	USB Type-C

Milesight Entrance & Exit Management

Onvif|GQST

AI · LPR · Wiegand Protocol & Interface · Supplement Light

KEY FEATURES
- Excellent Capture Performance
- AI-empowered LPR
- Plate Management & Search
- Evidence Camera Linkage
- Extensive Compatibility

		Entrance & Exit AI LPR Bullet Camera	Entrance & Exit AI LPR Pro Dome Camera
	Model	MS-C2964-RFLPE(2MP)	MS-C2972-RFLPE(2MP)
	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°	H115°~H34°/D135°~D39°/V62°~V19°
	Max. Frame Rate	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	WDR	140dB Super WDR	140dB Super WDR
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Interface	PoE (802.3af), DC 12V; Audio I/O, Alarm I/O, PoE (802.3af), DC 12V (Multi-interface Version)	Built-in Microphone and 1 Audio Output Interface, Alarm I/O, PoE (802.3af), DC 12V
	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T	

		Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
	Model	MS-C2966-RFLWPE /W (2MP)	MS-C2966-RFLWPE /R (2MP)
	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
	Max. Frame Rate	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	WDR	140dB Super WDR	
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
Illuminator	Supplement Light	White LED Light	IR LED Light
	Light Bead	6	9
	Light Control	Auto/Always On/Off/Customize	
	Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
	Compatibility	API, HTTP, TCP, Wiegand Protocol ONVIF Profile G & Q & S & T	

Milesight Parking Management

ONVIF | GQST

Category	Icon
All / AI	All, AI
Parking Management	
Supplement Light	
LPR	
Wiegand Protocol & Interface	
LoRaWAN®	

KEY FEATURES
- AI-powered LPR Algorithm
- LoRa Outstanding Performance
- Low Power Consumption
- Flexible Compatibility
- Easy Deployment
- Excellent Scene Adaptability

AIoT Indoor Parking Management Suite

	Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
Model	MS-C2966-RFLWPE /W (2MP)	MS-C2966-RFLWPE /R (2MP)
Appearance		
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	Motorized 2.7~13.5mm@F1.4	
Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
Max. Frame Rate	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
WDR	140dB Super WDR	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Entrance & Exit Management — Max. Vehicle Speed	200km/h	
Recognition Accuracy	>98%	
Coverage	Support simultaneous detection of 4 regions	
Illumination Distance	Up to 20m	
Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
Illuminator — Supplement Light	White LED Light	IR LED Light
Light Bead	6	9
Light Control	Auto/Always On/Off/Customize	
Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
Compatibility	API, HTTP, TCP, Wiegand Protocol ONVIF Profile G & Q & S & T	

	LoRaWAN® Ultrasonic Distance/Level Sensor
Model	EM310-UDL
Appearance	
Wireless Transmission — Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
TxPower	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Measurement — Sensitivity	-137 dBm@300bps
Mode	OTAA/ABP Class A
Detection Range	3 – 450 cm
Detection Accuracy	± (1+0.3%*S) cm, S=distance
Distance Resolution	1 mm
Configuration	NFC Configuration via Mobile App
Power Supply	2 x 3500 mAh ER17505 Li-SOCl2 battery
Battery Life	Up to 10 years (10 min interval + 20 triggers per day)
Ingress Protection	IP67

	Semi-Industrial LoRaWAN® Gateway	Mini LoRaWAN® Gateway
Model	UG65	UG63
Appearance		
Hardware System — CPU	Quad-core 1.5 GHz, 64-bit ARM Cortex-A53	528 MHz, ARM Cortex-A7
Memory	512 MB DDR4 RAM	256 MB DDR4 RAM
Flash	8 GB eMMC	4 GB eMMC
LoRaWAN® — Antenna	2 x Internal Antennas (Optional: 1 x 50 Ω N-Female External Connector)	2 x Internal Antennas
Channel	8 (Half/Full-duplex)	
Frequency Ban	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4	
Sensitivity	-140dBm Sensitivity @292bps	
Output Power	27dBm Max	
Protocol	V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C	
Ethernet Interface — Port	1 × RJ45 (PoE PD supported)	
Physical Layer	10/100/1000 Base -T (IEEE 802.3)	
Data Rate	10/100/1000 Mbps (Auto-Sensing)	10/100Mbps (Auto-Sensing)
WI-FI Interface — Standards	IEEE 802.11 b/g/n, 2.4GHz	
Mode	AP or Client mode	Full or Half Duplex (Auto-Sensing)
Power Supply and Consumption — Power Input	DC Jack Connector for 9-24 VDC power supply 1 x 802.3 af PoE input	1 x 802.3af standard PoE input 5V by Type-C Port
Power Consumption	Typical 2.9 W, Max 4.2 W	Max 3.3 W
Cellular Interface (Optional) — Antenna	Internal Antenna	-
SIM Slot	1 (mini SIM-2FF)	-
Ingress Protection	IP65	IP30
Ethernet Isolation	1.5 kV RMS	

AI Outdoor Parking Management Solution

	AI Outdoor Parking Management Pro Bullet Plus Camera
Model	PMC8266-FPC(4K)
Appearance	
Image Sensor	1/1.8" Progressive Scan CMOS
Lens	Motorized 3.6~10mm@F1.4
Field of View	H116°~H48°/D134°~D55°/V65°~V27°
Max. Frame Rate	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576))
WDR	120dB Super WDR
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Parking Management — Parking Application Mode	Occupancy Detection/Parking Detection
Parking Space Detection	Up to 4 Parking Spaces for Parking Detection with LPR; Up to 100 Parking Spaces@10m for Occupancy Detection
Detection Accuracy	>98%
Data Report	Triggered Report: when parking space is occupied or released; Interval Report: regular report of entire parking situation
Mounting Height	4~8m (For Parking Detection with LPR); >3.5m (For Occupancy Detection)
Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T

Network Video Recorder

All-in-one Solution for Extreme Reliability
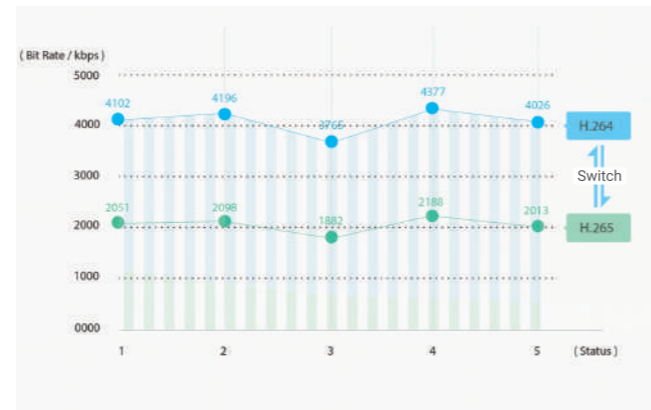
4K   H.265   VCA   ANPR

NDAA ✓

Display

H.265 Compression Technology

Milesight NVRs utilize the latest H.265 codec to use up to 50% less network bandwidth and storage space compared with H.264, while supporting to switch between H.264 and H.265 automatically.

4K High Resolution

With 4K local video output, Milesight NVRs can provide ultra high resolution without missing any single detail during video monitoring.

UHD Video Display

Equipped with solid 4K decoding and display capabilities, Milesight NVRs can synchronously decode up to 4-CH 4K UHD and 16-CH 1080P with the finest details to guarantee real-time video monitoring.

Multi-video Output

- ● **Independent Outputs**
  Multiple outputs to display various channels independently.

- ● **Synchronous Outputs**
  The same channel to be displayed at different locations synchronously.

Output 1   Output 2

Flexibility

Plug and Play

Milesight PoE NVRs offer a true plug-and-play with the built-in independent PoE switches, where cameras can be easily connected without a lot of network infrastructure work, ensuring users to begin the efficient monitoring in no time.

Flexible Storage Options

Flexible storage options including HDD and NAS in Milesight NVRs offer users greater flexibility to address the needs for versatile storage.

Transcoding

Based on the CPU capabilities, Transcoding guarantees 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.
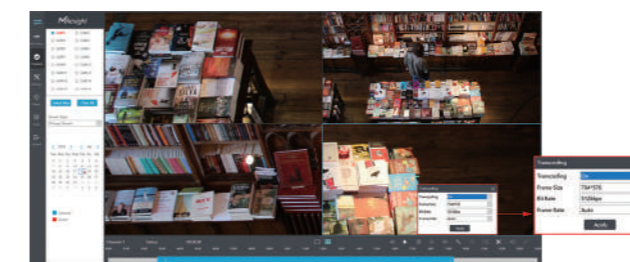
Dual Stream Recording

Supporting Primary Stream and Secondary Stream recording simultaneously, Dual Stream Recording makes it possible for users to freely choose the desired streaming based on the bandwidth available.
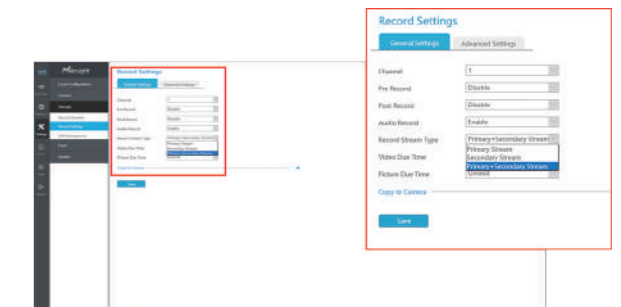
Usability

|	
Easy Playback	Instant Playback, General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback
Easy Backup	Common Backup, Event Backup, Picture Backup
File Management	File Tag, File Lock, File Export
Easy Configuration	Online Upgrade, Virtual Host, Disk Group, Intuitive UI Design

Instant Playback

Instant Playback can replay recorded video within recent 5 mins without performing search functions, facilitating the direct and timely monitoring when users need to monitor one certain camera quickly.

2020-04-08 18:27:02

(Replay recent 5 mins)
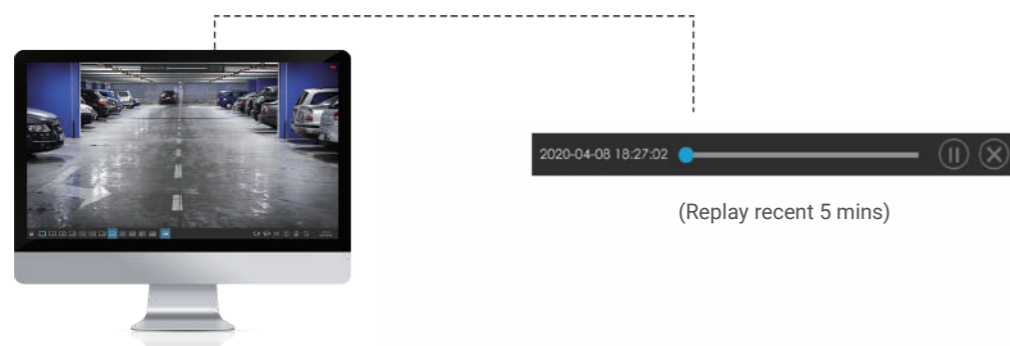
Virtual Host

Virtual Host offers an easy way to directly access the network camera connected to the PoE port by creating a link on Milesight NVR's webpage for users to visit camera's webpage.

Network Cable

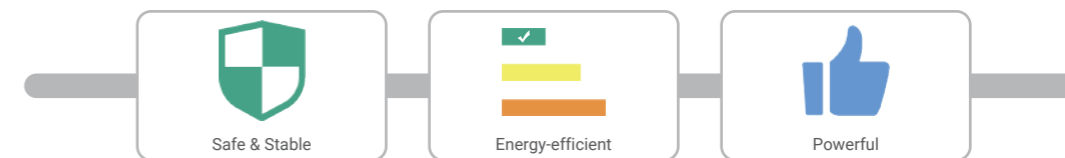To visit camera's webpage via the link on NVR's webpage

PoE NVR
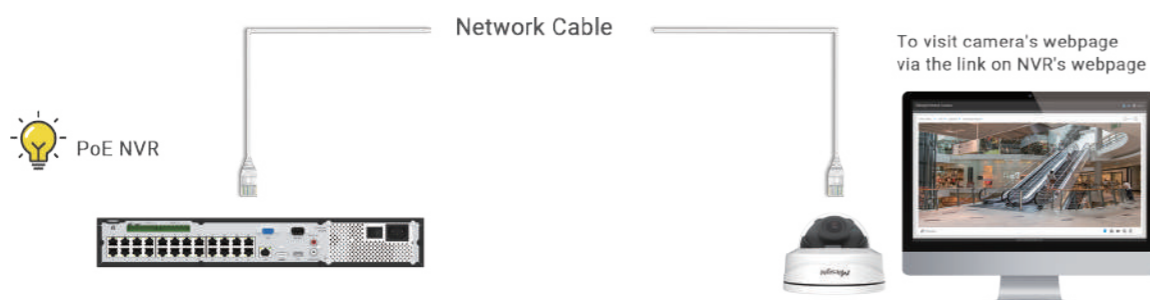
Online Upgrade

Being customer-oriented, the firmware including the NVR itself and the connected network cameras can be all easily upgraded online remotely, ensuring the optimal user-experience during configuration.
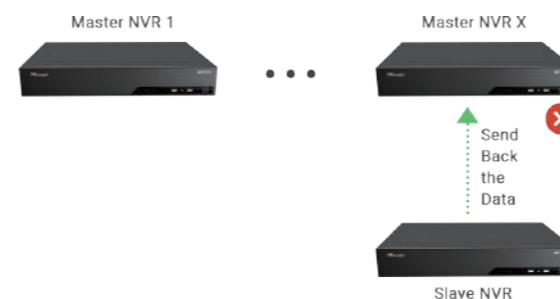
Reliability

Embedded Linux System

Safe & Stable Energy-efficient Powerful

Dual System

Milesight NVRs are born to possess two copies of firmware in the flash. If one of the flash sections ceases, the other firmware will take its place to work, ensuring high reliability of system running.

System1   NVR   System2

Master NVR 1 ... Master NVR X

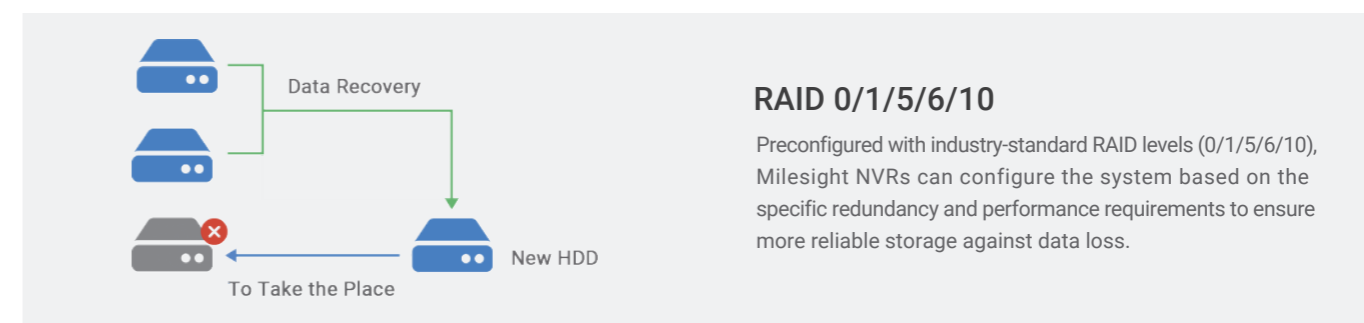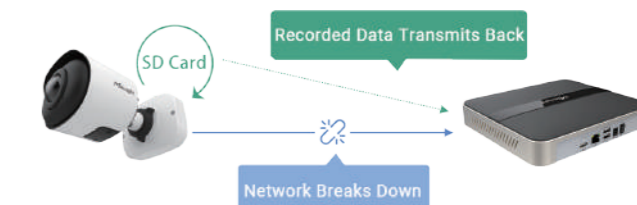Send Back the Data

Slave NVR

N+1 Hot Spare

Adopting N+1 Hot Spare, when any one of the master NVRs fails, the slave NVR will replace it to keep the system working on and send the data back when the master NVR recovers, ensuring the data integrity and reliability.

ANR (Automatic Network Replenishment)

As a backup operation, ANR can automatically store video data on the camera storage card when network is disconnected and retransfer the recorded video to NVR after network recovers, guaranteeing a reliable system.

SD Card   Recorded Data Transmits Back

Network Breaks Down

Data Recovery
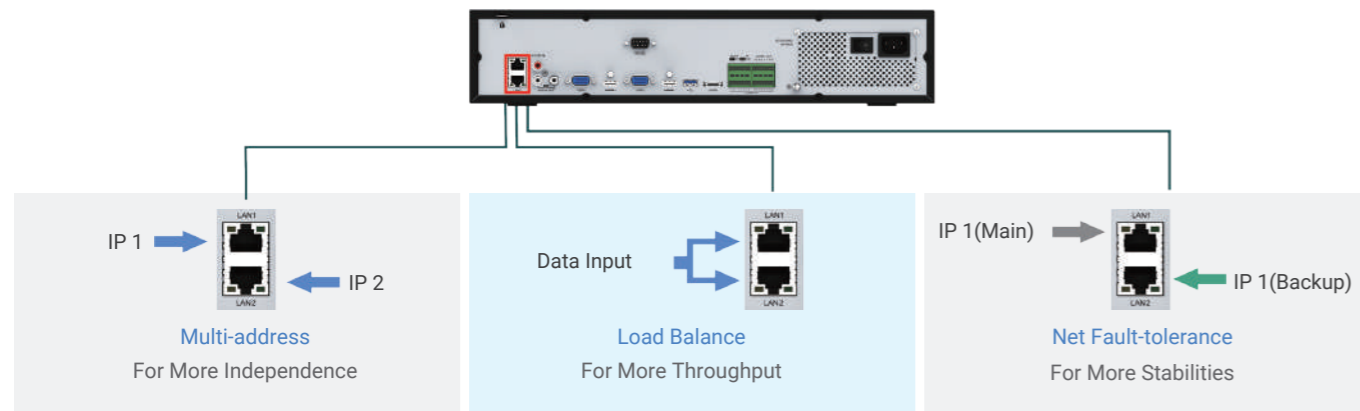
New HDD

To Take the Place

RAID 0/1/5/6/10

Preconfigured with industry-standard RAID levels (0/1/5/6/10), Milesight NVRs can configure the system based on the specific redundancy and performance requirements to ensure more reliable storage against data loss.

Auto Backup

The latest 24 hours' video will be automatically backed up to USB Port Devices/NAS/eSATA, providing more reliable and flexible storage needs.

24h   Auto Backup   NAS   eSATA   USB

Dual Lan Giga Network Ports

IP 1 → ← IP 2	Data Input →	IP 1(Main) → ← IP 1(Backup)
Multi-address	**Load Balance**	**Net Fault-tolerance**
For More Independence	For More Throughput	For More Stabilities

Intelligent Management

Advanced Functions Management

Milesight NVRs provide a fully integration with all Milesight's wide range of network cameras in close loop, ensuring the seamless compatibilities especially with Milesight PTZ functions and Panoramic functions.

PTZ Functions	PTZ Auto Tracking, PTZ Manual Tracking
Panoramic Functions	Heat Map, Fisheye Auto Tracking, Fisheye Dewarping

AI VCA Management

Defined as the central management site to manage intelligent VCA，it supports alarm configurations and event search of Milesight AI VCA. Once suspicious events detected, the device can trigger alarms and recordings, helping improve video surveillance efficiency.


Enterprise ANPR Management

Defined as the Enterprise ANPR management system, Milesight NVRs become the central management site to easily monitor the road traffic, including the real-time preview of the car plates, smart analysis and other more detailed settings.

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.
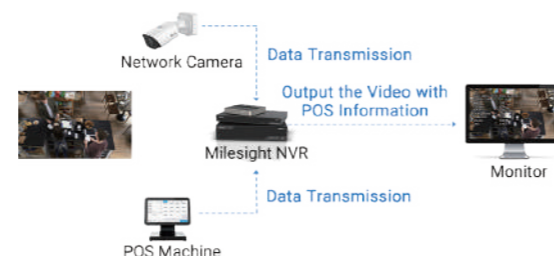
Smart People Counting Analytics

High-accuracy and real-time data and statistic reports are provided for further analysis, helping to make fast decisions on security management and increase the operational efficiency of the business.

Intelligent Face Detection Management

The intelligent face detection management supports the search of face detection results and the advanced functions such as face attribute recognition and face privacy, which greatly enhances the monitoring efficiency.

Scalability

HTML5 Streaming Ready
HTML5 Streaming which is ready on all Milesight NVRs makes it easy for users to access NVRs via all major browsers without downloading extra plug-in.

Interoperability
Aiming to provide end-to-end video surveillance solution, Milesight NVRs can be accessed and configured remotely via Milesight CMS and APP through P2P or Port Forwarding.
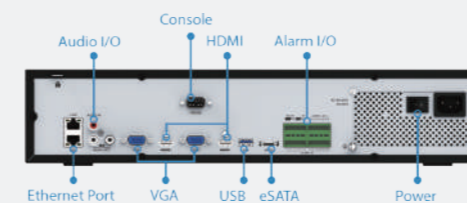
Extensive Third-party Compatibility
To provide a high ecosystem, Milesight NVRs are able to work well with third-party cameras via ONVIF protocols and CGI/API integration.

Structure

Versatile Interfaces
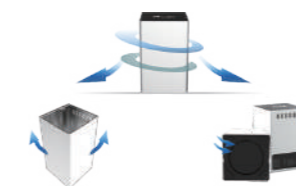A whole array of ports for more value-added features.

Aesthetics Design
Being tiny to release the full potential.

Thermal Design
Discreet structure, housing design and intelligent fan for effective heat dissipation.

HDD Installation Structure
Designed for convenient and stable hard disk installation.

4K H.265 Mini PoE NVR Series

ULTRA MINI SIZE / LINUX OS EMBEDDED / ONLINE UPGRADE / NAS & HDD

Gold Silvery Black

KEY FEATURES
- 4*PoE Plug and Play
- Up to 10TB Storage
- Up to 8-CH Video Input
- Up to 4K Decoding Performance
- Dual Stream Recording
- ANR
- AI VCA Management
- Smart People Counting Analytics
- POS Integration

Model	MS-N1004-UPC	MS-N1008-UPC	MS-N1008-UNPC
Network Video Input	4-CH	8-CH	
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
Synchronous Playback	1*(30fps @8MP), 4*(30fps @1080P)		
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
Storage	1*SATA HDD(3.5"); Up to 10TB capacity for each HDD		
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
Network Interface	1*RJ45 10/100Mbps		1*RJ45 10/100/1000Mbps
USB Interface	2*USB 2.0		
Interface	4*RJ45 10/100Mbps		
Dimensions/Weight	220mm(W)X200mm(D)X43.6mm(H)/0.2Kg		115mm(W)X115mm(D)X180mm(H)/1.5Kg

4K H.265 Mini NVR Series

ULTRA MINI SIZE / LINUX OS EMBEDDED / ONLINE UPGRADE / NAS & HDD

Gold Silvery Black

KEY FEATURES
- Up to 10TB Storage
- Up to 8-CH Video Input
- Up to 4K Decoding Performance
- Dual Stream Recording
- ANR
- AI VCA Management
- Smart People Counting Analytics
- POS Integration

Model	MS-N1004-UC	MS-N1008-UC	MS-N1008-UNC
Network Video Input	4-CH	8-CH	
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
Synchronous Playback	1*(30fps @8MP), 4*(30fps @1080P)		
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
Storage	1*SATA HDD(3.5"); Up to 10TB capacity for each HDD		2*SATA HDD(2.5"); Up to 2TB capacity for each HDD
Capacity	Up to 10TB capacity for each HDD		
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
Network Interface	1*RJ45 10/100Mbps		1*RJ45 10/100/1000Mbps
USB Interface	2*USB 2.0		
Dimensions/Weight	220mm(W)X200mm(D)X43.6mm(H)/0.2Kg		80mm(W)X80mm(D)X120mm(H)/0.85Kg

4K H.265 PoE NVR Series

VERSATILE INTERFACES / DUAL STREAM RECORDING / TRANSCODING / ONLINE UPGRADE / NAS & HDD

KEY FEATURES
- Up to 24*PoE Plug and Play
- Up to 4*10TB Storage
- Up to 48-CH Video Input
- Up to 4K Decoding Performance
- Multi-video Output
- ANR/RAID
- AI VCA Management
- Smart People Counting Analytics
- Intelligent Face Detection Management
- Enterprise ANPR Management
- POS Integration

Model	MS-N5008-UPC	MS-N5008-PE	MS-N5016-PE	MS-N7016-UPH	MS-N7032-UPH	MS-N7048-UPH
Network Video Input	8-CH		16-CH		32-CH	48-CH
Incoming /Outgoing Bandwidth	80Mbps/80Mbps	80Mbps/50Mbps		160Mbps/160Mbps	256Mbps or 200Mbps (When RAID is enabled)/256Mbps or 200Mbps (When RAID is enabled)	320Mbps or 200Mbps (When RAID is enabled)/256Mbps or 200Mbps (When RAID is enabled)
Synchronous Playback	1*(30fps@8MP) 4*(30fps@1080P)	1*(30fps@8MP) 6*(30fps@1080P)		4*(30fps@8MP) 16*(30fps@1080P)		
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF			12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264					
Storage	2*SATA HDD(3.5"); Up to 10TB capacity for each HDD			4*SATA HDD(3.5"); Up to 10TB capacity for each HDD		
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS					
USB Interface	2*USB 2.0			1*USB 3.0; 2*USB 2.0		
PoE Interface	8*RJ45 10/100Mbps		16*RJ45 10/100Mbps		24*RJ45 10/100Mbps	
Network Interface	1*RJ45 10/100/1000Mbps					
Dimensions/Weight	Rack Mountable Chassis (1.0U Standard) 380X317.6X51.8mm/2.6Kg (W)X(D)X(H)mm	Rack Mountable Chassis (1.0U Standard) 380X317.6X51.8mm/2.7Kg (W)X(D)X(H)mm		Rack Mountable Chassis (1.5U Standard) 440X320X66.8mm/5.0Kg (W)X(D)X(H)mm	Rack Mountable Chassis (1.5U Standard) 440X390X66.75mm/4.89Kg (W)X(D)X(H)mm	

4K H.265 Pro NVR Series

VERSATILE INTERFACES / DUAL STREAM RECORDING / TRANSCODING / ONLINE UPGRADE / NAS & HDD

KEY FEATURES
- Up to 8*10TB Storage
- Up to 64-CH Video Input
- Up to 4K Decoding Performance
- Multi-video Output
- Dual Lan Giga Network Ports
- ANR/RAID/N+1 Hot Spare
- AI VCA Management
- Smart People Counting Analytics
- Intelligent Face Detection Management
- Enterprise ANPR Management
- POS Integration

Model	MS-N5008-UC	MS-N5008-E	MS-N5016-E	MS-N7016-UH	MS-N7032-UH	MS-N8032-UH	MS-N8064-UH
Network Video Input	8-CH		16-CH		32-CH		64-CH
Incoming /Outgoing Bandwidth	80Mbps/80Mbps	80Mbps/50Mbps		160Mbps/160Mbps	256Mbps or 200Mbps (when RAID is enabled)/256Mbps or 200Mbps (when RAID is enabled)	256Mbps or 200Mbps (when RAID is enabled)/256Mbps or 200Mbps (when RAID is enabled)	320Mbps or 200Mbps (when RAID is enabled)/256Mbps or 200Mbps (when RAID is enabled)
Synchronous Playback	1*(30fps@8MP) 4*(30fps@1080P)	1*(30fps@8MP) 6*(30fps@1080P)		4*(30fps@8MP) 16*(30fps@1080P)	4*(30fps@8MP) 16*(30fps@1080P)	4*(30fps@8MP) 16*(30fps@1080P)	4*(30fps@8MP) 16*(30fps@1080P)
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF			12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF			
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG						
Storage	2*SATA HDD(3.5"); Up to 10TB capacity for each HDD			4*SATA HDD(3.5"); Up to 10TBcapacity for each HDD		8*SATA HDD(3.5"); Up to 10TB capacity for each HDD	
Network Interface	1*RJ45 10/100/1000Mbps			2*RJ45 10/100/1000Mbps			
USB Interface	2*USB 2.0			1*USB 3.0; 2*USB 2.0			
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS						
Dimensions/Weight	Rack Mountable Chassis (1.0U Standard) 380mm(W)X317.6mm(D)X51.8mm(H)/1.9Kg			Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)/4.1Kg		Rack Mountable Chassis (2.0U Standard) 440mm(W)X420mm(D)X88.2mm(H)/6.0Kg	

PoE Switch

Model	MS-S0204-EL	MS-S0208-EL	MS-S0208-GL
Appearance			
Ports	4X10/100Mbps PoE ports (RJ45) + 2X100Mbps uplink ports	8X10/100Mbps PoE ports (RJ45) + 2X100Mbps uplink ports	8X10/100Mbps PoE ports (RJ45) + 2X1000Mbps uplink ports
Standard	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x
Switching Capacity	1.6Gbps (non-blocking)	2Gbps (non-blocking)	11.8Gbps (non-blocking)
Packet Forwarding Rate@64byte	0.89Mpps	1.488Mpps	4.17Mpps
Packet Forwarding Cache	768K	1.25M	2M
MAC	1K	2K	
Power Supply	Built-in switching power supply AC 100~240V, 50-60Hz, 1A	Built-in switching power supply AC 100~240V, 50-60Hz, 2.2A	
PoE Standard	IEEE802.3af/at		

Model	MS-S0216-GL	MS-S0416-GF	MS-S0224-GL	MS-S0424-GF
Appearance				
Ports	16X10/100Mbps PoE ports (RJ45) + 2X 1000Mbps uplink ports	16X10/100Mbps PoE ports (RJ45) + 2X1000Mbps uplink ports + 2X1000Mbps SFP ports	24X10/100Mbps PoE ports (RJ45) + 2X1000Mbps uplink ports	24X10/100Mbps PoE ports (RJ45) + 2X1000Mbps uplink ports + 2X1000Mbps SFP ports
Standard	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-T IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x	IEEE802.3 10Base-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-T IEEE802.3x
Switching Capacity	14.8Gbps (non-blocking)			
Packet Forwarding Rate@64byte	5.36Mpps		6.55Mpps	
Packet Forwarding Cache	4M			
MAC	16K			
Power Supply	Built-in switching power supply AC 100~240V, 50-60Hz, 2.5A	Built-in switching power supply AC 100~240V, 50-60Hz, 3A	Built-in switching power supply AC 100~240V, 50-60Hz, 5A	
PoE Standard	IEEE802.3af/at			

Milesight VMS Enterprise

ADVANCED C/S ARCHITECTURE / LIVE VIEW / PLAYBACK / VIDEO WALL

GET IT ON Google Play

Download on the App Store

Manage Anytime with
M-VMS Mobile

M-VMS Mobile

Why Milesight VMS Enterprise

Intelligence
- Integrate AI Analytics of IPC and AI Box
- Server-based AI and ANPR Algorithm
- Various AI-related Applications for Human Behavior, Perimeter, Face Detection and so on

Tailor-made Service Supported
- Tailor-made for Customer-Specific Projects
- Customizable Functions
- Adoption of Specified Protocol
- Brand Customized VMS Software

Great Flexibility
- Self-adaptive Layout
- Custom Event Rule Settings
- Multi-Disk Recording

Excellent Reliability
- N+M Failover
- Priority Backup of Appointed Cameras
- Lock of Important Video
- Real-Time Monitoring of Running Status

High-level Security
- Customize Roles' Privileges
- Encipherment Password Protection
- Encrypted Video Files

User-friendliness
- Easy to Install & Fast to Use
- Human-centred Interface Design
- Customer-oriented Usability Improvements

Video Surveillance Appliance

WINDOWS-BASED / LOWER DEPLOYMENT COST / LARGE-SCALE PROJECT MANAGEMENT

Milesight
VMS Enterprise

KEY FEATURES

- Up to 128-CH
- Pre-loaded with Milesight VMS Enterprise
- Up to 12*20TB Storage
- N+M Failover
- RAID 0/1/5/6/10/50/60
- Up to 700 Mbps Playback Rate
- 3-year Warranty

Model	BX108-A	
Appearance		
Included Cameras Access License	64	128
Recording Schedule	64	128
Event and Alarm Rules	1000	
Users & Roles — Concurrent Accesses via Clients, App Clients	100	
Users & Roles — Users	1000	
Users & Roles — Roles	100	
System — Main Processor	1*Quad-Core Intel® Xeon® Processor	1*Octa-Core Intel® Xeon® Silver Processor
System — Memory	8GB UDIMM 3200MT/s ECC parity. Extendable up to 128GB	16GB (1*16GB) UDIMM 3200MT/s ECC parity. Extendable up to 1TB
System — Network Interface	1 GbE RJ-45 ports *2	
System — RAID Support	Not Supported	RAID 0/1/5/6/10/50/60
System — Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
System — Out-of-band Management	iDRAC 9 Enterprise	
Auxiliary Interface — HDD Drives (Video Data)	4*3.5" SAS or SATA hot-swappable	12*3.5" SAS or SATA hot-swappable
Auxiliary Interface — SSD Drive (Operating System)	240GB*1 M.2 SSD	240GB*2 M.2 SSD, RAID1
Auxiliary Interface — Capacity	Up to 20TB capacity for each disk	
Auxiliary Interface — Recording Storage Capacity	Up to 80TB raw; 40TB effective(RAID 1)	Up to 240TB raw; 160TB effective(RAID 60)
Auxiliary Interface — USB Interface	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0	Front panel: 1*USB 2.0 Rear panel: 1*USB 2.0, 1*USB 3.0
Auxiliary Interface — Video Output	VGA*1	VGA*2
General — Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
General — Power Supply	Single 600W Mixed Mode	Dual 800W Mixed Mode
General — Working Temperature/Humidity	5°C to 45°C (41°F to 113°F); 8% to 90% RH (no freezing and no condensation)	
General — Chassis	1U rack server	2U rack server
General — Dimension (W x D x H)	Height - 42.8mm(1.69 inches) Width - 482mm(18.97 inches) Depth - 585.3mm(23.04 inches) - without bezel 598.94mm(23.58 inches) - with bezel	Height - 86.8mm(3.41 inches) Width - 482mm(18.97 inches) Depth - 707.78mm(27.85 inches) - without bezel 721.62mm(28.4 inches) - with bezel

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AI Box

COMPATIBILITY WITH MILESIGHT VMS ENTERPRISE / HIGH-EFFICIENCY AI COMPUTING / LICENSE FREE

Milesight
VMS Enterprise

KEY FEATURES

- 8-CH Model
- Falling Detection
- Face-human Recognition
- Diverse and Enriched AI Algorithms
- 99% High Accuracy Rate
- Quick Setup & Easy Connection

Model	BX108-A
Appearance	
System Parameters — Main Processor	High-performance embedded microprocessors
System Parameters — Operating System	Embedded Linux
Device Access — Video Stream Input	Video Resolution: 1920 x 1080 (1080P), 2560 x 1440 (4MP), 3840 x 2160 (8MP)
Device Access — Video Decoding Type	H.264/H.265
Smart Functions — Network Interface	Face-Human & Recognition: (full load maximum 8 channels): face capture, face recognition, face attributes, human body capture, human attributes, face-person binding.
Smart Functions — Network Interface	• Structure Analysis: (full load max 8 channels): Image capture: face, human body, motor vehicle, non-motor vehicle Attribute output: face, human body, motor vehicle, non-motor vehicle Association relationship: face-person binding, person-non-motor vehicle binding
Smart Functions — Network Interface	• Diagnosis_Alarm: (full load maximum 8 channels): Image_Cover_Alert • Perimeter_Alarm (fully loaded 8 channels, 4 sub-rules per channel): Park, Exit, Wander, Over_Wall,Intrusion, Tripwire, Climb • Behavioral_Alarm (fully loaded 8 channels, 4 sub-rules per channel): Fall, Smoke, Call, Watch Phone,Run, Sleep, On/Off Duty, Gather, Fight, Person_Over, Person_Less, Hold_Weapon • Goods_Alarm (fully loaded 8 channels, 2 sub-rules per channel): Sundry_Stack, Goods_Guard,Goods_Forget • Headcount_Alarm (fully loaded 8 channels, 2 sub-rules per channel): Head_Count, Cross_Line Note: Functional compatibility of AI Box with Milesight VMS Enterprise depends on the specific version implementation.
Smart Functions — Accuracy	Face: face capture rate ≥ 99%, false capture rate < 1%, recognition pass rate: >99.5%, recognition false rate: < 0.5%.
Smart Functions — Accuracy	Human body: human body capture rate ≥ 95%, false catch rate < 1%.
Smart Functions — Accuracy	Motor vehicle: motor vehicle capture rate ≥ 90%, false catch rate < 1%.
Smart Functions — Accuracy	Non-motor vehicle: non-motor vehicle capture rate ≥ 95%, false catch rate < 1%.
Interface Parameters — Network Interface	2, 100M/1000M adaptive Ethernet, RJ45 interface
Interface Parameters — Alarm Interface	Alarm Input: 4-way switch/Alarm Output 4-way switch
Interface Parameters — Audio Interface	Audio Input: 1-way/Audio Output: 1-way
Interface Parameters — External Interface	Front USB Interface*3 (1xUSB 2.0 and 1xUSB 3.0); Rear USB Interface*2 (2 x USB 2.0); RS485 (2-way); Reset Button; Power Indicator (PWR); Run Indicator (RUN)
System capabilities — Face Recognition	Employee passage at the entrance; List control and identification of key personnel, alarm, stranger identification, etc.
System capabilities — Video Structured	Capture of face, human body, motor vehicle and non-motor vehicle, etc., attribute analysis.
System capabilities — Network Protocols	TCP/UDP/HTTP/MULTICAST/DHCP/FTP/NTP/HTTPS/RTSP, etc.
Other — Dimensions (L/D)/Weight	229×193×49 (mm)/1.96Kg

Milesight CMS

LIVE VIEW / PLAYBACK / ELECTRONIC MAP

Device spatial distribution

User-friendly design

Centralized system administration

Remote viewing and playback

Flexible Playback Interface

KEY FEATURES

- Central management system
- Fully integrated with Milesight network cameras and NVRs
- Comprehensive management via IP/Domain, P2P and Milesight DDNS
- H.265/H.264 video compression
- Support multiple monitors (Up to 4 monitors, 64-CH for each monitor)
- Support up to 256 devices
- Support two-layer E-map
- Milesight VCA functions
- Support advanced functions like ANPR solution, Heat Map and Auto Tracking, etc.
- Support Crowd Management Solution

Milesight Smart Tools

SEARCH / CONFIGURATION / CALCULATION

KEY FEATURES

- Unified management for network cameras and NVRs
- Batch settings for Milesight devices
- Online batch upgrade for Milesight devices
- Fast, comprehensive and powerful calculation

IPC Tools   NVR Tools   Calculators Tools

Milesight M-Sight Pro APP

H.265 & H.264 / CUSTOMIZED STREAM PARAMETERS / DUAL STREAM

Android and iOS supported

Remote viewing and playback

Centralized system administration

KEY FEATURES

- Support Milesight Cloud Management
- Simultaneously manage Milesight network cameras and NVRs
- Support Client-side Dewarping for Fisheye Camera
- Support PTZ control and white LED control in live view
- Up to 64-CH live view and 4-CH playback
- Add device via IP/Domain, P2P and Milesight DDNS
- Transcoding to get better playback performance
- Support Alarm Video Push notification
- One click to trigger Alarm Output
- One click to quick playback & playback with NAS, SD card files and HDD files
- Backup the captured images and recorded videos locally for monitoring
- Support up to 16X digital zoom

Milesight Cloud Management

DEVICE BINDING / DEVICE MANAGEMENT / GROUPING

- Support binding the devices with the cloud accounts via Milesight Cloud
- Device Management and Account Management
- Support sharing the devices with another cloud account
- Support for devices grouping and playing devices by group
- Support Device Transfer
- Support Log Search

Naming Convention

Network Camera

[Model]: MS-C2966-R(T)F(I)PC --- AI Motorized Pro Bullet Plus Camera

MS-C	2	9	66 -	R	F	I	PC
	Resolution	Sensor	Camera Type		Advanced Features		

Resolution
2 - 2MP
5 - 5MP
8 - 4K
9 - 12MP

Sensor
1 - 4K
2 - 4K (1/1.8")
3 - 5MP
6 - 12MP
8 - 2MP (1/2")
9 - 2MP

Camera Type
41 - Speed Dome Camera
52 - Pro Box Plus Camera
67 - PTZ Bullet Plus Camera
66 - Pro Bullet Plus Camera
65 - 180° Panoramic Mini Bullet Camera
64 - Vandal-proof Mini Bullet Camera
63 - Weather-proof Mini Bullet Camera
62 - Pro Bullet Camera
61 - PTZ Bullet Camera
76 - 180° Panoramic Mini Dome Camera
75 - Weather-proof Mini Dome Camera
74 - Fisheye Camera
73 - Vandal-proof Mini Dome Camera
72 - Pro Dome Camera
71 - PTZ Dome Camera
83 - IR Mini Dome Camera

Advanced Features
T - High Frame Rate (90fps/100fps)
R - High Frame Rate (60fps)
S - 20fps@4K Series
X - Magnification of the lens
   e.g.: X42 - 42X AF lens
F - Motorized Vari-focal Lens
I - P-Iris Supported
U - Full-color Supported
G - 5G Supported
O - IoT Supported
P - PoE Supported
A/C/D/E - AI Platform

Note: In a sequence from top to bottom

Intelligent Traffic Camera

[Model]: MS-C2972-RFLPC --- Entrance & Exit AI LPR Pro Dome Camera
TS2866-X4TGPC --- AI Road Traffic 5G Pro Bullet Plus Camera
TS8266-FPC/P --- AI Road Traffic Parking Detection Pro Bullet Plus Camera
PMC8266-FPC --- AI Outdoor Parking Management Pro Bullet Plus Camera

TS	2	8	66 -	X4	T	PC
Series	Resolution	Sensor	Camera Type		Advanced Features	

Series
TS - Traffic Sensing (Camera)
PMC - Parking Management Camera
MS-C - Entrance & Exit Camera

Resolution
2 - 2MP
5 - 5MP
8 - 4K

Sensor
2 - 4K (1/1.8")
3 - 5MP
8 - 2MP (1/2")
9 - 2MP

Camera Type
41 - Speed Dome Camera
67 - PTZ Bullet Plus Camera
66 - Pro Bullet Plus Camera
64 - Vandal-proof Mini Bullet Camera
61 - PTZ Bullet Camera
72 - Pro Dome Camera

Advanced Features
T - High Frame Rate (100fps/90fps)
R - High Frame Rate (60fps)
X - Magnification of the lens
   e.g.: 36X AF lens
F - Motorized Vari-focal Lens
L - LPR Supported
V - Radar Supported
W - Supplement Light Supported
C/E - AI Platform

Note: The naming rule of "L" is only for the Entrance & Exit management models. Whether other models support LPR function depends on the application scenes and specific functions.

[Model]: SC211-NA --- 4G Solar-powered Traffic Sensing Camera

SC	2	1	1-	NA
Series	Major Application Scenarios	Core Technology	Camera Type	4G Module Supported Region

Series
Sensing Camera

Major Application Scenarios
2 - Intelligent Traffic

Core Technology
1 - Frame-based AI

Camera Type
(2_)1 - 4G Solar-powered Traffic Sensing Camera

4G Module Supported Region
NA - North America
EU - Europe, the Middle East and Africa
AU - Latin America, Australia and New Zealand

Network Video Recorder

[Model]: MS-N7032-UPH --- 32-channel 4K H.265 PoE NVR

MS-N	7	032-	U	P	H

1 - 2*HDD(2.5")
   or 1*HDD(3.5")
5 - 2*HDD(3.5")
7 - 4*HDD(3.5")
8 - 8*HDD(3.5")

004 - 4-CH
008 - 8-CH
016 - 16-CH
048 - 48-CH
032 - 32-CH
064 - 64-CH

U - 4K

P - PoE

C/E/H/G - H.265 Compression

VMS Product Line

[Model]: VE1208-S --- Video Surveillance Appliance with 128-channel License, 12 Disk Slots.

VE	12	08-	S
VMS Enterprise	Disk Slot	Camera License	Server Chassis

Disk Slot
06 - 6*3.5" Slots
12 - 12*3.5" Slots

Camera License
04 - 64-CH
08 - 128-CH

Server Chassis
S - Server

[Model]: BX108-A --- Milesight 8-channel AI Box

BX	1	08	A
BX - Box	1 - Platform	08 - 8-CH	A - All kinds of objects (Face, Human Body, Motor Vehicle, Non-motor Vehicle)

Milesight PoE Switch

[Model]: MS-S0224-GL --- Milesight 24-port PoE Switch

MS-S	02	24-	G	L

02 - 2*Uplink Ports
04 - 4*Uplink Ports

04 - 4*PoE Ports
08 - 8*PoE Ports
16 - 16*PoE Ports
24 - 24*PoE Ports

E - 10/100Mbps Uplink Port
G - Gigabit Uplink Port

F - Optical Fiber Port (SFP)
L - Extend Mode

Milesight Network Camera Accessories

NEAT & INTEGRATED DESIGN / EASY & ROBUST INSTALLATION

A01 Pole Mount

Weight: 720g
Dimension: 170*51.5*152.6mm
Installation Environment: For strapping cameras on poles between 102-127mm(4.1-5 inches) in diameter
Applicable Model:
(AI Weather-proof) Mini Bullet, (AI) Vandal-proof Mini Bullet
(AI) Motorized Bullet, AI PTZ Bullet Plus, AI Color⁺ Vandal-proof Mini Bullet
(AI) 180° Panoramic Mini Bullet & Dome, A41, A43, A62, A63, A71, A72, A77

A03 External Corner Bracket

Weight: 900g
Dimension: 170*152.5*76mm
Installation Environment: For mounting cameras on an external corner
Applicable Model:
(AI Weather-proof) Mini Bullet, (AI) Vandal-proof Mini Bullet
(AI) Motorized Bullet, AI PTZ Bullet Plus,
(AI) 180° Panoramic Mini Bullet & Dome
AI Color⁺ Vandal-proof Mini Bullet
A41, A62, A63, A71, A72, A77, A43

A74 Junction Box

Weight: 60g
Dimension: 121.5*116.5*37.2mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
(AI) Vandal-proof Mini Dome
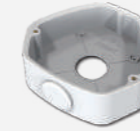
AC-71 Smoked Dome Cover

Weight: 120g
Dimension: Φ136.8*92.5mm
Installation Environment:
For concealing where a camera is pointed
Applicable Model:
(AI) PTZ Dome

A41 Wall Mount

Weight: 400g
Dimension: 200*129*100mm
Installation Environment: For wall or parapet installations
Applicable Model:
(AI) Speed Dome

A42 Pendant Mount

Weight: 650g
Dimension: Φ116.5*255mm
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
(AI) Speed Dome

AC-72 Smoked Dome Cover

Weight: 39g
Dimension: Φ100*56mm
Installation Environment:
For concealing where a camera is pointed
Applicable Model:
(AI) Pro Dome

A75 Junction Box

Weight: 200g
Dimension: 145*167*33.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
(AI) Pro Dome, (AI) 360° Panoramic Fisheye

A42-L Extension Lever

Weight: 325g
Dimension: Φ57*255mm
Installation Environment: Used as extensions for pendant mount
Applicable Model:
A42, A79, A76 V2

A43 Junction Box

Weight: 1000g
Dimension: 195*164*80mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
A01, A41, A42, A03, A77

A76 V2 Pendant Mount

Weight: 620g
Dimension: Φ136*L (L is default as 300mm, also can be extended with A76-L)
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
(AI) 360° Panoramic Fisheye, (AI) Pro Dome
AI 3X AF Motorized Dome, AI Motorized Dome,
AI 180° Mini Panoramic Dome

A77 Wall Mount

Weight: 650g
Dimension: 262*185*138mm
Installation Environment: For wall or parapet installations
Applicable Model:
(AI) PTZ Dome

A51 Protective Housing

Weight: 1988g
Dimension: 380*150*H mm(H is adjustable)
Installation Environment: Robust housing to defend cameras from being damaged in all challenging environments
Applicable Model:
AI Pro Box Plus

A62 Junction Box

Weight: 510g
Dimension: 134*126*40mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and preventing from being tampered.
Applicable Model:
(AI) Pro Bullet, (Radar) AI Pro Bullet Plus, (5G AIoT) Pro Bullet Plus
AI PTZ Bullet Plus, (AI) PTZ Bullet(Only for Wall Mount Version.)
Supplement Light AI Pro Bullet Plus

A78 Recessed Mount

Weight: 715g
Dimension: Φ256*94mm
Installation Environment: For in-ceiling installations
Applicable Model:
(AI) PTZ Dome, (AI) Pro Dome

A79 Pendant Mount

Weight: 850g
Dimension: Φ185*295mm
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
(AI) PTZ Dome

A63 Junction Box

Weight: 620g
Dimension: 134*126*40mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
(AI Weather-proof) Mini Bullet,
(AI) Motorized Bullet

A71 Wall Mount

Weight: 530g
Dimension: 162*124*78mm
Installation Environment: Used to install cameras on a wall or vertical structure
Applicable Model:
(AI) IR Mini Dome, (AI) Vandal-proof Mini Dome,
(AI) Weather-proof Mini Dome, (AI) 3X AF Motorized Dome
AI Motorized Dome, (AI) 180° Panoramic Mini Dome

A81 Recessed Mount

Weight: 450g
Dimension: Φ168.7*91.3mm
Installation Environment: For in-ceiling installations
Applicable Model:
(AI) Weather-proof Mini Dome(Only for cable out version.)

A82 Recessed Mount

Weight: 475g
Dimension: Φ168.7*91.3mm
Installation Environment: For in- ceiling installation
Applicable Model:
(AI) IR Mini Dome

A72 V2 Wall Mount

Weight: 560g
Dimension: 240*160*136mm
Installation Environment: For wall or parapet installations
Applicable Model:
(AI) Pro Dome, (AI) 360° Panoramic Fisheye
AI 3X AF Motorized Dome, AI 180° Mini Panoramic Dome

A73 Adapter Plate

Weight: 28g
Dimension: 115*122.5*10mm
Installation Environment: For the installation that cable need to be routed through the side outlet
Applicable Model:
(AI) Vandal-proof Mini Dome

A83 Junction Box

Weight: 270g
Dimension: Φ122*45.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
(AI) Weather-proof Mini Dome

A84 Junction Box

Weight: 360g
Dimension: Φ137*47.6mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and delete tampering
Applicable Model:
AI Motorized Dome