BETTER INSIDE, MORE IN SIGHT

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2020

V7.0

Milesight

PRODUCT BROCHURE

NETWORK VIDEO SURVEILLANCE

About Milesight Technology

Established in 2011, Milesight is a high-tech company specializing in the design and manufacture of best-in-class video surveillance solutions of security cameras, NVR and software. There are Milesight China, Milesight USA and Milesight Korea taking responsibility for different areas, and our solutions reach over 90 countries and regions. The Production Center, R&D Center and Marketing Center are working closely to guarantee both Milesight and its customers the best benefit, forming a healthier and more value-added channel management network. And we are still in the endless pursuit of Better Inside, More in Sight.

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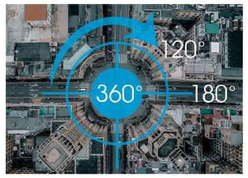
Image

Outstanding Viewing Experience

4K/12MP High Resolution



120°/180°/360° Wide Angle Viewing

3X to 42X Optical Zoom

60fps/90fps/120fps 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.

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.

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.

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.

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.

Comprehensive Defogging

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

Corridor Mode

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

Auto Back Focus

Adjust the position of image sensor to obtain optimal focus by one click in the web interface or one push on the button of camera.

Electronic Image Stabilization

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

Distinctiveness

PTZ to Move Your World

Pan, Tilt and Zoom Tasks

- Up to 360° endless pan & 95° tilt
- Pan speed up to 400°/s & tilt speed up to 350°/s
- Flexible zoom options from 12X 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.

Panoramic View for All-round Surveillance

Stunning Dewarping Ability

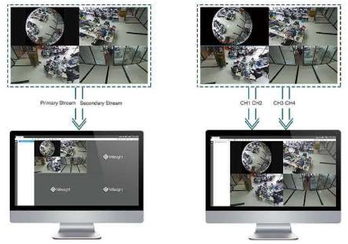
The embedded dewarping algorithm can smoothly and fast alter original spherical images into plane images to offer users a complete overview of a wide area without distortion.

On-board/Client-side Dewarping

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

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

9 Display Modes:



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.

Smart License Plate Recognition

All-in-one Web Management

Milesight designs a systematic LPR operation mode on camera's webpage with more granular controls, offering a truly stand-alone LPR solution with centralized management.

LPR Smart Search

Security operators can search specific detected vehicle information like videos directly on camera's webpage or back-end management system for verification and investigation.

Black/White List Management

Milesight LPR cameras can automatically identify license plates information on whitelists or blacklists and take real-time actions, which is perfect for gate control systems.

Broad Regional and Country Support

Milesight LPR cameras support the capture and recognition of vehicle plates from multiple countries and regions including Mid-East, Africa, Asia-Pacific, America, Europe, Russian-speaking countries.

Integrated ANPR Solution

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

Intelligence

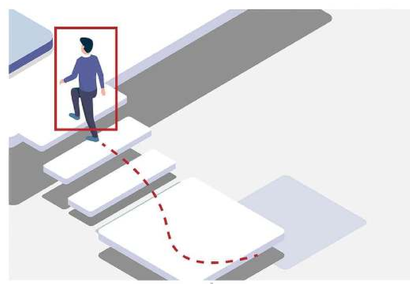
Behavior Analysis	Auto Tracking (PTZ/Fisheye), Loitering, Object Left, Object Removed
Passing	Region Entrance, Region Exiting, Line Crossing
Detection	Motion Detection, Advanced Motion Detection, Human Detection, Tamper Detection
Statistics for Market Intelligence	Heat Map, People Counting

Advanced Heat Map

Advanced Heat Map in Milesight panoramic cameras is used for analyzing the statistics of popularity in surveillance zones by visualizing visitor behavior. It greatly enhances the efficiency of business intelligent management, especially for smart retail solutions.

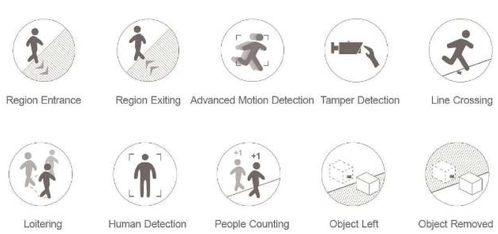
PTZ/Fisheye Auto Tracking

Milesight PTZ cameras and fisheye cameras both support Auto Tracking function and can automatically detect, pan and tilt to follow moving objects as well as zoom in to get more details, safeguarding the monitored area from overall to partition.



VCA (Video Content Analysis)

With VCA embedded as standard, Milesight cameras support full 10 detection modes, which can alert the operator of detected predefined events automatically to strengthen safety management.



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.

CE FC LVD RoHS COMPLIANT UL LISTED EN-50155 ISO

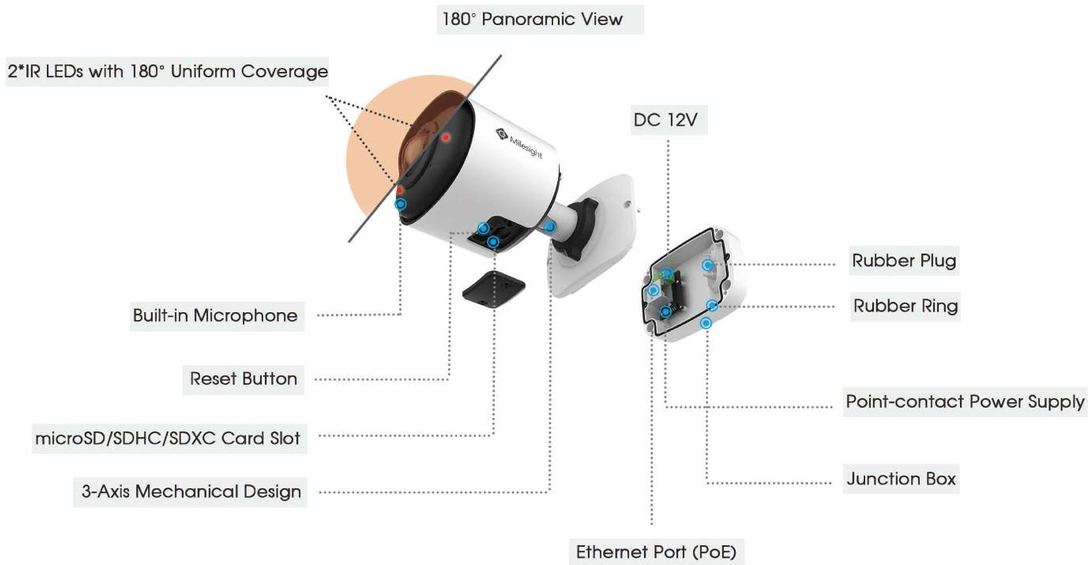
Structure

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.

(Milesight Motorized Pro Dome Camera)

MILESIGHT CLASSIC DESIGN



(Milesight 180° Panoramic Mini Bullet Camera)

2/5/8 Megapixel H.265+ IR Mini Dome Camera

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

ONVIF | G Q S T

4K VCA

White Black

KEY FEATURES

- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 20m IR Distance
- 120° Wide Angle Viewing Experience
- 60fps High Frame Rate
- Embedded VCA as Standard
- Built-in Microphone

Model	MS-C2983-(R)PB	MS-C5383-(H)PB	MS-C8183-PB
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS		
Lens	2.8mm @F2.0/4mm @F1.6/6mm @F1.6		
Field of View	H124°/D144°/V68°(2.8mm)	H113°/D143°/V83°(2.8mm)	H124°/D140°/V69°(2.8mm)
WDR	Super WDR up to 140dB	Super WDR up to 120dB	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H Series)	15fps@(3840x2160)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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	Φ97.8mmX57.9mm/200g		

2/5/8 Megapixel H.265+ Vandal-proof Mini Dome Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10 EN50155 UL

White Black

KEY FEATURES

- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 30m IR Distance
- 120° Wide Angle Viewing Experience
- 60fps High Frame Rate
- Embedded VCA as Standard
- UL Certificated
- EN50155 Compliance
- Built-in Microphone
- Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2973-(R)PB	MS-C5373-(H)PB	MS-C8173-PB
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS		
Lens	2.8mm @F2.0/4mm @F1.6		
Field of View	H123°/D142°/V68°(2.8mm)	H111°/D141°/V82°(2.8mm)	H124°/D140°/V69°(2.8mm)
WDR	140dB Super WDR	120dB Super WDR	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H Series)	15fps@(3840x2160)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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	118.5mmX110.8mmX65mm/500g		

2/5 Megapixel H.265+ Weather-proof Mini Dome Camera

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

ONVIF | G Q S T

VCA IP67 IK10

White Black

KEY FEATURES

- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 25m IR Distance
- 120° Wide Angle Viewing Experience
- Embedded VCA as Standard
- Built-in Microphone
- Integrated Junction Box
- Recessed Installation

Model	MS-C2975-PB	MS-C5375-PB
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	2.8mm @F2.0/4mm @F1.6	
Field of View	H123°/D142°/V68°(2.8mm)	H113°/D144°/V84°(2.8mm)
WDR	140dB Super WDR	120dB Super WDR
Max. Frame Rate	30fps@(1920x1080)	20fps@(2592x1944) 30fps@(2048x1536)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
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	Φ108mmX96.5mm / 600g(Junction Box Version) Φ106mmX76.5mm / 410g(Cable Out Version)	

2/5 Megapixel H.265+ AF Motorized Mini Dome Camera

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

ONVIF | G Q S T

VCA IP67 IK10

White Black

KEY FEATURES

- 3X Optical Zoom, Auto Focus
- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 35m IR Distance
- Embedded VCA as Standard
- Built-in Microphone
- Integrated Junction Box

Model	MS-C2975-EPB	MS-C5375-EPB
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	2.8~8.4mm @F1.8~F2.7, 3X Optical Zoom	
Field of View	H111°~H48°/D130°~D55°/V60°~V27°	H101°~H42°/D129°~D53°/V74°~V31°
WDR	140dB Super WDR	120dB Super WDR
Max. Frame Rate	30fps@(1920x1080)	20fps@(2592x1944) 30fps@(2048x1536)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
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	Φ108X96.5mm/620g	

2/5/8 Megapixel H.265+ Mini Bullet Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 50m IR Distance
- 120° Wide Angle Viewing Experience
- 60fps High Frame Rate
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC 12V
- Unique Sunshield Design

Model	MS-C2963-(R)PB	MS-C5363-(H)PB	MS-C8163-PB
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS		
Lens	4mm/2.8mm/6mm @F1.6		
Field of View	H91°/D106°/V50°(4mm)	H86°/D108°/V63°(4mm)	H91°/D106°/V50°(4mm)
WDR	140dB Super WDR	120dB Super WDR	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H)	15fps@(3840x2160)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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 H.265+ Vandal-proof Mini Bullet Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- 0.002Lux Starlight
- 140dB Super WDR
- Smart IR II with 30m IR Distance
- 120° Wide Angle Viewing Experience
- 60fps High Frame Rate
- Embedded VCA as Standard
- Point-contact Power Supply

Model	MS-C2964-(R)PB	MS-C5364-(H)PB	MS-C8164-PB
Megapixel	2MP	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS		
Lens	2.8mm @F2.0/4mm @F1.6/6mm @F1.6		
Field of View	H123°/D142°/V68°(2.8mm)	H113°/D144°/V84°(2.8mm)	H124°/D140°/V69°(2.8mm)
WDR	140dB Super WDR	120dB Super WDR	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H Series)	15fps@(3840x2160)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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	97mmX74mmX180mm / 610g (Junction Box Version) Φ64mmX160mm / 450g (Cable Out Version)		

2/5/8 Megapixel H.265+ Vandal-proof Motorized Mini Bullet Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- Motorized Zoom Lens
- 0.001Lux Starlight
- 3 in 1 Super WDR -140dB
- 60fps High Frame Rate
- Smart IR II with 50m IR Distance
- Embedded VCA as Standard
- Integrated Junction Box

Model	MS-C2864-(R)F(I)PB	MS-C2964-(R)F(I)PB	MS-C5364-(H)F(I)PB	MS-C8164-F(I)PB
Megapixel	2MP		5MP	4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		
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)
Field of View	H99°~H44°/D114°~D50° /V56°~V24°	H88°~H32°/D102°~D37° /V49°~V18°(2.7~13.5mm)	H84°~H30°/D105°~D37° /V62°~V22°(2.7~13.5mm)	H93°~H32°/D109°~D37°/V52°~V18°
WDR	140dB Super WDR		120dB Super WDR	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080) (Optional for R Series)	30fps@(1920x1080) 60fps@(1920x1080) (Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944) (Optional for H Series)	15fps@(3840x2160)
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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 H.265+ Motorized Pro Dome Camera

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

ONVIF | G Q S T

White Black

4K VCA IP67 IK10

Smoked Dome Cover

KEY FEATURES

- 1/1.8" STARVIS Starlight Sensor
- 0.001Lux Starlight
- 3 in 1 Super WDR -140dB
- 120fps High Frame Rate
- Smart IR II with 50m IR Distance
- P-Iris Control
- Embedded VCA as Standard
- Built-in Microphone
- Audio I/O, Alarm I/O, PoE & DC 12V
- Integrated Cable Management
- Recessed Installation

Model	MS-C2872-(R)F(I)PB	MS-C2972-(Q)(T)(R)F(I)PB	MS-C5372-(H)F(I)PB	MS-C8172-(H)F(I)PB	MS-C8272-F(I)PB
Megapixel	2MP		5MP	4K	
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS			1/1.8" Progressive Scan CMOS
Lens	Motorized 3.6~10mm @F1.4 P-Iris(Optional)	Motorized 3.0~10.5mm/2.7~13.5mm/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	H96°~H42°/D111°~D48° /V55°~V23°	H93°~H33°/D107°~D38° /V52°~V18° (3.0~10.5m)	H90°~H31°/D114°~D38° /V67°~V23°(3.0~10.5mm)	H96°~H33°/D112°~D37° /V53°~V18°	H110°~H46°/D126°~D54° /V61°~V25°
WDR	140dB Super WDR	140dB Super WDR (Super WDR Pro is optional for Q & T Series)	120dB Super WDR		
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080) (Optional for R Series)	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series) 90fps@(1920x1080)(Optional for T Series) 120fps@(1920x1080)(Optional for Q Series)	20fps@(2592x1944) 30fps@(2592x1944) (Optional for H Series)	15fps@(3840x2160) 30fps@(3840x2160) (Optional for H Series)	30fps@(3840x2160)
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on	Color: 0.006Lux@F1.2 B/W: 0Lux with IR on
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 H.265+ Motorized Pro Bullet Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- 1/1.8" STARVIS Starlight Sensor
- 0.001Lux Starlight
- 3 in 1 Super WDR -140dB
- 120fps High Frame Rate
- Smart IR II with 60m IR Distance
- P-Iris Control
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC 12V
- PTFE Membrane
- Integrated Junction Box

Model	MS-C2862-(R)F(I)PB	MS-C2962-(Q)(T)(R)F(I)PB	MS-C5362-(H)F(I)PB	MS-C8162-(H)F(I)PB	MS-C8262-F(I)PB
Megapixel	2MP		5MP	4K	
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS			1/1.8" Progressive Scan CMOS
Lens	Motorized 3.6~10mm @F1.4 P-Iris(Optional)	Motorized 3.0~10.5mm/2.7~13.5mm/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	H96°~H42°/D111°~D48° /V55°~V23°	H93°~H33°/D107°~D38° /V52°~V18° (3.0~10.5m)	H90°~H31°/D114°~D38° /V67°~V23°(3.0~10.5mm)	H96°~H33°/D112°~D37° /V53°~V18°	H110°~H46°/D126°~D54° /V61°~V25°
WDR	140dB Super WDR	140dB Super WDR (Super WDR Pro is optional for Q & T Series)	120dB Super WDR		
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080) (Optional for R Series)	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series) 90fps@(1920x1080)(Optional for T Series) 120fps@(1920x1080)(Optional for Q Series)	20fps@(2592x1944) 30fps@(2592x1944) (Optional for H Series)	15fps@(3840x2160) 30fps@(3840x2160) (Optional for H Series)	30fps@(3840x2160)
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on	Color: 0.006Lux@F1.2 B/W: 0Lux with IR on
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 Megapixel 12X H.265+ AF Motorized Pro Bullet Camera

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

ONVIF | G Q S T

VCA IP67

KEY FEATURES

- 12X Optical Zoom, Auto Focus
- 0.002Lux Starlight
- 3 in 1 Super WDR -140dB
- 120fps High Frame Rate
- Smart IR II with 120m IR Distance
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC12V
- PTFE Membrane
- Integrated Junction Box

Model	MS-C2962-(Q)(T)(R)EPB	MS-C5362-(H)EPB
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	5.3~64mm, 12X Optical Zoom	
Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
WDR	140dB Super WDR (Super WDR Pro is optional for Q & T Series)	120dB Super WDR
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series) 90fps@(1920x1080)(Optional for T Series) 120fps@(1920x1080)(Optional for Q Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H Series)
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
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 H.265+ Pro Box Camera

H.265+ / MOTORIZED ZOOM LENS / 256G / SIP

ONVIF | G Q S T

4K VCA

KEY FEATURES

- 0.001Lux Starlight
- 3 in 1 Super WDR -140dB
- 120fps High Frame Rate
- Powerful Auto Back Focus
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC 12V

Model	MS-C2851-(R)(E)PB	MS-C2951-(Q)(T)(R)(E)PB	MS-C5351-(H)PB	MS-C8151-(H)PB
Megapixel	2MP		5MP	4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		
Mount & Iris	C/CS & P-Iris/DC-Iris			
WDR	140dB Super WDR	140dB Super WDR (Super WDR Pro is optional for Q & T Series)	120dB Super WDR	
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080) (Optional for R Series)	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series) 90fps@(1920x1080)(Optional for T Series) 120fps@(1920x1080)(Optional for Q Series)	20fps@(2592x1944) 30fps@(2592x1944) (Optional for H Series)	15fps@(3840x2160) 30fps@(3840x2160) (Optional for H Series)
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
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	115mmX62mmX50mm/407g			

2/5 Megapixel 12X H.265+ Mini PTZ Bullet Camera

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

ONVIF | G Q S T

VCA IP66

Wall Mount Pedestal Mount

KEY FEATURES

- 360° Endless Pan & 75° Tilt
- 12X Optical Zoom
- Smart IR II with 140m IR Distance
- 0.002Lux Starlight
- 140dB Super WDR
- PTZ Auto Tracking
- Intelligent White LED
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC 12V
- Wall Mount and Pedestal Mount Available

Model	MS-C2961-(R)E(P)B	MS-C5361-(H)E(P)B
Megapixel	2MP	5MP
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	5.3~64mm @F1.6~F2.8, 12X Optical Zoom	
Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
WDR	140dB Super WDR	120dB Super WDR
Max. Frame Rate	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	20fps@(2592x1944) 30fps@(2592x1944)(Optional for H Series)
Pan Range / Pan Speed	360°endless; Pan Manual Speed: 0.2°~60°/s, Pan Preset Speed 100°/s	
Tilt Range / Tilt Speed	-45°~30°; Tilt Manual Speed: 0.2°~30°/s, Tilt Preset Speed 60°/s	
Preset / Patrol / Pattern	255 Presets / 8 Patrols / 4 Patterns	
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
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 12X/20X/23X H.265+ Mini PTZ Dome Camera

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

ONVIF | G Q S T

4K VCA IP66 IK10

Smoked Dome Cover

White Black

KEY FEATURES

- 360° Endless Pan & 95° Auto-flip Tilt
- 12X/20X/23X Optical Zoom
- Pan Speed 240°/s, Tilt Speed 200°/s
- 1/1.8" STARVIS Starlight Sensor
- Smart IR II with 120m IR Distance
- 0.001Lux Starlight
- 140dB Super WDR
- PTZ Auto Tracking
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & DC 12V
- Recessed Installation

Model	MS-C2871-X20TPB	MS-C2971-X12RPB	MS-C2971-X23RPB	MS-C5371-X12HPB	MS-C5371-X23HPB	MS-C8271-X20PB
Megapixel	2MP			5MP		4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS				1/1.8" Progressive Scan CMOS
Lens	6.4~128mm @F1.6~F4.0, 20X Optical Zoom	5.3~64mm @F1.6~F2.8, 12X Optical Zoom	5~117mm @F1.5~F3.5, 23X Optical Zoom	5.3~64mm @F1.6~F2.8, 12X Optical Zoom	5~117mm @F1.5~F3.5, 23X Optical Zoom	6.4~128mm @F1.6~F4.0, 20X Optical Zoom
Field of View	H60°~H3°/D69°~D4° /V35°~V2°	H61°~H5°/D69°~D5° /V36°~V2°	H60°~H3°/D69°~D4° /V35°~V2°	H57°~H4°/D69°~D5° /V44°~V1°	H55°~H3°/D68°~D4° /V42°~V2°	H64°~H3°/D71°~D4° /V39°~V2°
WDR	140dB Super WDR			120dB Super WDR		
Max. Frame Rate	90fps@(1920x1080)	60fps@(1920x1080)		30fps@(2592x1944)		30fps@(3840x2160)
Pan Range / Pan Speed	360° endless; Pan Manual Speed: 0.5°~180°/s, Pan Preset Speed: 240°/s					
Tilt Range / Tilt Speed	-5°~90° (Auto Flip); Tilt Manual Speed: 0.5°~120°/s, Tilt Preset Speed: 200°/s					
Preset / Patrol / Pattern	255 Presets / 8 Patrols / 4 Patterns					
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on		Color: 0.005Lux@F1.2 B/W: 0Lux with IR on		Color: 0.006Lux@F1.2 B/W: 0Lux with IR on
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 23X/30X H.265+ Speed Dome Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / IK10 / 256G / PoE / SIP

ONVIF | G Q S T

VCA IP66 IK10

KEY FEATURES

- 360° Endless Pan & 90° Auto-flip Tilt
- 23X/30X Optical Zoom
- Pan Speed 400°/s, Tilt Speed 350°/s
- Smart IR II with up to 200m IR Distance
- 0.002Lux Starlight
- 140dB Super WDR
- PTZ Auto Tracking
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & AC 24V

Model	MS-C2941-X23RPB	MS-C2941-X30RPB	MS-C5341-X23HPB	MS-C5341-X30HPB
Megapixel	2MP		5MP	
Image Sensor	1/2.8" Progressive Scan CMOS			
Lens	5~117mm @F1.5~F3.5, 23X Optical Zoom	4.7~141mm @F1.5~F4.0, 30X Optical Zoom	5~117mm @F1.5~F3.5, 23X Optical Zoom	4.7~141mm @F1.5~F4.0, 30X Optical 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°
WDR	140dB Super WDR		120dB Super WDR	
Max. Frame Rate	60fps@(1920x1080)		30fps@(2592x1944)	
Pan Range / Pan Speed	360° endless; Pan Manual Speed: 0.5°~180°/s, Pan Preset Speed: 240°/s			
Tilt Range / Tilt Speed	0°~90°(Auto Flip); Tilt Manual Speed: 0.5°~120°/s, Tilt Preset Speed: 200°/s			
Preset / Patrol / Pattern	255 Presets / 8 Patrols / 4 Patterns			
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on		Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	
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	Φ205mmX308mm/4Kg			

2/5/8 Megapixel 36X/42X H.265+ Speed Dome Camera

H.265+ / PTZ PRIVACY MASK / 3D POSITIONING / IP66 / IK10 / 256G / SIP

ONVIF | G Q S T

4K VCA IP66 IK10

KEY FEATURES

- 360° Endless Pan & 90° Auto-flip Tilt
- 36X/42X Optical Zoom
- Pan Speed 400°/s, Tilt Speed 350°/s
- 1/1.8" STARVIS Starlight Sensor
- Smart IR II with 300m IR Distance
- 0.001Lux Starlight
- 140dB Super WDR
- PTZ Auto Tracking
- Embedded VCA as Standard
- Audio I/O, Alarm I/O, PoE & AC 24V

Model	MS-C2841-X36TPB	MS-C2941-X42RPB	MS-C5341-X42HPB	MS-C8241-X36PB
Megapixel	2MP		5MP	4K
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
Lens	5.7~205.2mm @F1.55~F4.8, 36X Optical Zoom	7~300mm @F1.8~F6.5, 42X Optical Zoom		5.7~205.2mm @F1.55~F4.8, 36X Optical Zoom
Field of View	H63°~H3°/D69°~D3° /V38°~V1°	H45°~H2°/D50°~D2° /V27°~V1°	H43°~H2°/D53°~D2° /V33°~V1°	H66°~H3°/D72°~D3° /V41°~V1°
WDR	140dB Super WDR		120dB Super WDR	
Max. Frame Rate	90fps@(1920x1080)	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
Pan Range / Pan Speed	360° endless; Pan Manual Speed: 0.5°~180°/s, Pan Preset Speed: 240°/s			
Tilt Range / Tilt Speed	0°~90°(Auto Flip); Tilt Manual Speed: 0.5°~120°/s, Tilt Preset Speed: 200°/s			
Preset / Patrol / Pattern	255 Presets / 8 Patrols / 4 Patterns			
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.006Lux@F1.2 B/W: 0Lux with IR on
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	Φ205mmX308mm/4Kg			

5/12 Megapixel 360° Panoramic H.265+ Fisheye Camera

H.265+ / STUNNING DEWARPING CAPABILITY / 9 DISPLAY MODES / IP67 / IK10 / 256G / SIP

ONVIF | G Q S T

12MP VCA IP67 IK10

KEY FEATURES

- 360° Panoramic View
- On-board and Client-side Dewarping
- Smart IR II with 15m IR Distance
- 0.005Lux Starlight
- 120dB Super WDR
- Fisheye Auto Tracking
- Advanced Heat Map
- Embedded VCA as Standard
- Built-in Microphone, Audio I/O, Alarm I/O, PoE & DC 12V
- Ceiling Mount, Wall Mount and Table Mount Available

Model	MS-C5374-PB	MS-C9674-PB
Megapixel	5MP	12MP
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Lens	1.25mm @F2.0	1.98mm @F2.8
Field of View	Ceiling Mount: 360°; Wall Mount: 180°; Flat Mount: 360°	
WDR	120dB Super WDR	
Max. Frame Rate	Fisheye View: 30fps@(2592x1944)	Fisheye View: 25fps@(4000x3000)
Decoding Mode	On-board Dewarping/Client-side Dewarping	
Display Mode	Fisheye View, 360 Panoramic View, 180 Panoramic View, 4PTZ, Fisheye + 3PTZ, Panoramic View+3PTZ	Fisheye View, 360 Panoramic View, 180 Panoramic View, 4PTZ, Fisheye + 3PTZ, Panoramic View+3PTZ, Fisheye + Panoramic View+ 3PTZ
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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	Φ140mmX45.4mm/1100g	

5/8 Megapixel 180° Panoramic H.265+ Mini Bullet Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- 180° Panoramic View
- Smart IR II with 15m IR Distance
- 0.005Lux Starlight
- 120dB Super WDR
- Advanced Heat Map
- Embedded VCA as Standard
- Built-in Microphone
- Point-contact Power Supply

Model	MS-C5365-PB	MS-C8165-PB
Megapixel	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	1.68mm @F2.0	
Field of View	H180°/V95°	H180°/V86°
WDR	120dB Super WDR	
Max. Frame Rate	30fps@(2592x1944)(Original)	15fps@(3840x2160)
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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 180° Panoramic H.265+ Mini Dome Camera

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

ONVIF | G Q S T

4K VCA IP67 IK10

KEY FEATURES

- 180° Panoramic View
- Smart IR II with 20m IR Distance
- 0.005Lux Starlight
- 120dB Super WDR
- Advanced Heat Map
- Embedded VCA as Standard
- Built-in Microphone

Model	MS-C5376-PB	MS-C8176-PB
Megapixel	5MP	4K
Image Sensor	1/2.8" Progressive Scan CMOS	
Lens	1.68mm @F2.0	
Field of View	H180°/V95°	H180°/V86°
WDR	120dB Super WDR	
Max. Frame Rate	30fps@(2592x1944)(Original)	15fps@(3840x2160)
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
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/630g	

MILESIGHT COMPREHENSIVE ANPR SOLUTION

RELATED PRODUCTS:

LPR H.265+ Mini Bullet Network Camera

LPR H.265+ Vandal-proof Motorized Mini Bullet Network Camera

LPR H.265+ Motorized Pro Bullet Network Camera

LPR 12X H.265+ AF Motorized Pro Bullet Network Camera

LPR H.265+ ABF Pro Box Network Camera

LPR 12X H.265+ Mini PTZ Bullet Network Camera

FEATURES:

- Embedded LPR Algorithm
- >95% Recognition Rate
- Up to 120km/h
- All-in-one Web Management
- Black/White List Management
- LPR Smart Search
- LPR Night Mode
- License Plate Serial Format
- Up to 4 Detection Regions
- Vehicle Direction Recognition
- 3rd Integration: CGI/APIs
- Fully Integrated with Milesight NVR/CMS
- **Supported Countries and Reigions:** Mid-East, Africa, Asia-Pacific, America, Europe, Russian-speaking countries.

SCENE REQUIREMENTS:

License plate is more than 130px in width

License plate is readable

Vertical angle is less than 30°

Horizontal angle is no more than 30°

Tilt angle is less than 5°

APPLICATION SCENARIOS:

Business Centre

Parking Lot

Rural Road

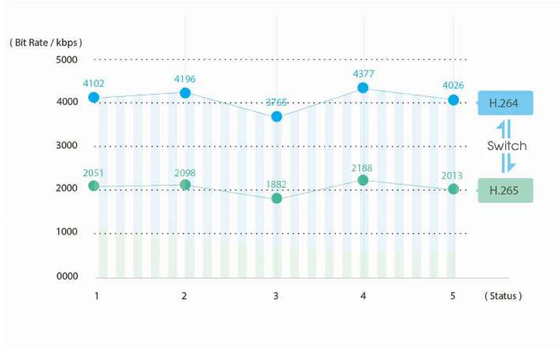
Urban Road

Gate Control

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 with no 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.

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

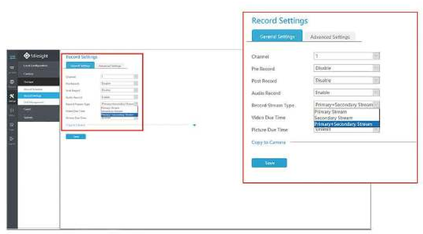
Flexible storage options including HDD and NAS in Milesight NVRs offer users greater flexibility to address the needs for versatile storage.

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

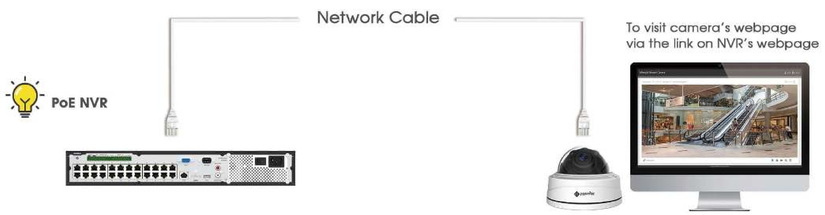
Easy Playback	Instant Playback, General Playback, Event Playback, Tag Playback, Picture Playback
Easy Backup	Common Backup, Event Backup, Picture Backup
File Management	File Tag, File Lock, File Export
Easy Configuration	Online Upgrade, Virtual Host, Disk Group, Intuitive UI Design

Instant Playback

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

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.



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

Dual System

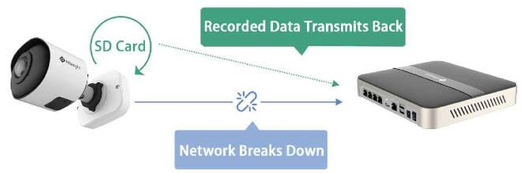
Milesight NVRs are born to possess two copies of firmware in the flash. If one of the flash sections ceases, the other firmware will take its place to work, ensuring high reliability of system running.

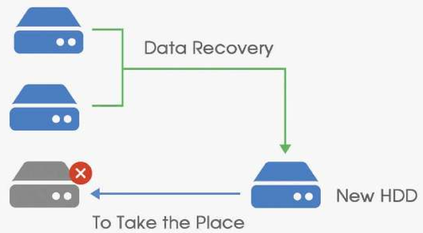
N+1 Hot Spare

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.

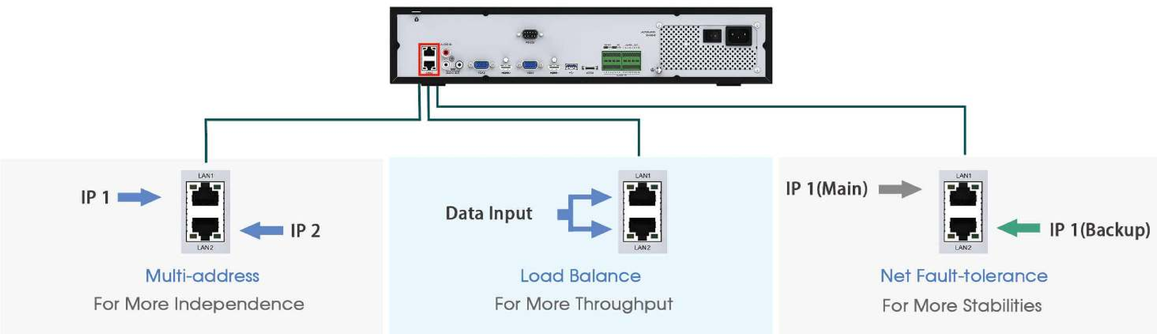




RAID 0/1/5/6/10

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.

Dual Lan Giga Network Ports



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 Dewarp

Smart VCA Management

Milesight NVRs support alarm configurations and event search of Milesight Smart VCA. Once suspicious events detected, the devices can trigger alarms and recordings, helping users 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.

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

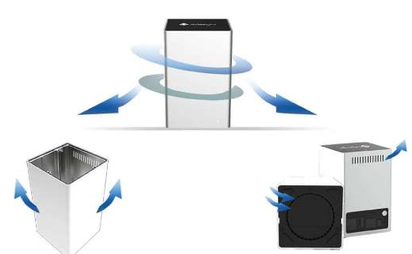
A whole array of ports for more value-added features.

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 9-CH Video Input
- Up to 4K Decoding Performance
- Dual Stream Recording
- ANR
- Smart VCA Management
- Enterprise ANPR Management

Model	MS-N1004-UPC	MS-N1009-UPT
Network Video Input	4-CH	9-CH
Bandwidth Incoming / Outgoing	40Mbps/40Mbps	90Mbps/90Mbps
Decoding Capacity	1*(30fps @8MP) 4*(30fps @1080P)	2*(30fps @8MP) 8*(30fps @1080P)
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264	
Storage	1*SATA HDD(3.5''); Up to 10TB capacity for each HDD	
Network Interface	1*RJ45 10M/100M	1*RJ45 100M/1000M
USB Interface	2*USB 2.0	
PoE Interface	4*RJ45 10M/100M	
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS	
Dimensions/Weight	220mm(W)X200mm(D)X43.6mm(H)/0.2Kg	115mm(W)X115mm(D)X180mm(H)/1.5Kg

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 32-CH Video Input
- Up to 4K Decoding Performance
- Multi-screen Output
- ANR/RAID
- Smart VCA Management
- Enterprise ANPR Management

Model	MS-N5008-UPT	MS-N5016-UPT	MS-N7016-UPH	MS-N7032-UPH
Network Video Input	8-CH	16-CH	16-CH	32-CH
Bandwidth Incoming / Outgoing	80Mbps/80Mbps	160Mbps/160Mbps	160Mbps/160Mbps	256Mbps or 200Mbps(When RAID is enabled) /256Mbps or 200Mbps(When RAID is enabled)
Decoding Capacity	2*(30fps @8MP) 8*(30fps @1080P)	2*(30fps @8MP) 8*(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			
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	
Network Interface	1*RJ45 100M/1000M			
USB Interface	1*USB 3.0; 2*USB 2.0		1*USB 3.0; 2*USB 2.0	
PoE Interface	8*RJ45 10M/100M	16*RJ45 10M/100M	16*RJ45 10M/100M	24*RJ45 10M/100M
Audio Input/Output	-/1*RCA		1*RCA/1*RCA	
Alarm Input/Output	4-CH/1-CH		16-CH/4-CH	
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) 440mm(W)X251mm(D)X44.4mm(H)/3.5Kg		Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)/5.0Kg	Rack Mountable Chassis (1.5U Standard) 440mm(W)X390mm(D)X66.75mm(H)/4.89Kg

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 9-CH Video Input
- Up to 4K Decoding Performance
- Dual Stream Recording
- ANR
- Smart VCA Management
- Enterprise ANPR Management
- Fully Compatible with Milesight Cameras

Model	MS-N1004-UC	MS-N1009-UT	MS-N1009-UNT
Network Video Input	4-CH	9-CH	9-CH
Bandwidth Incoming / Outgoing	40Mbps/40Mbps	90Mbps/90Mbps	90Mbps/90Mbps
Decoding Capacity	1*(30fps @8MP) 4*(30fps @1080P)	2*(30fps @8MP) 8*(30fps @1080P)	2*(30fps @8MP) 8*(30fps @1080P)
Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
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	1*SATA HDD(3.5''); Up to 10TB capacity for each HDD
Network Interface	1*RJ45 10M/100M	1*RJ45 100M/1000M	1*RJ45 100M/1000M
USB Interface	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	220mm(W)X200mm(D)X43.6mm(H)/0.19Kg	80mm(W)X80mm(D)X120mm(H)/0.85Kg	115mm(W)X115mm(D)X180mm(H)/1.1Kg

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-screen Output
- Dual Lan Giga Network Ports
- ANR/RAID/N+1 Hot Spare
- Smart VCA Management
- Enterprise ANPR Management

Model	MS-N5008-UT	MS-N5016-UT	MS-N7016-UH	MS-N7032-UH	MS-N8032-UH	MS-N8064-UH
Network Video Input	8-CH	16-CH	16-CH	32-CH	32-CH	64-CH
Bandwidth Incoming / Outgoing	80Mbps/80Mbps	160Mbps/160Mbps	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)
Decoding Capacity	2*(30fps @8MP) 8*(30fps @1080P)	2*(30fps @8MP) 8*(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) 64*(30fps @D1)
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		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		8*SATA HDD(3.5''), 1*eSATA; Up to 10TB capacity for each HDD	
Network Interface	1*RJ45 100M/1000M		2*RJ45 100M/1000M		2*RJ45 100M/1000M	
USB Interface	1*USB 3.0; 2*USB 2.0		1*USB 3.0; 2*USB 2.0		1*USB 3.0; 2*USB 2.0	
Audio Input/Output	-/1*RCA		1*RCA/1*RCA		1*RCA/2*RCA	
Alarm Input/Output	4-CH/1-CH		16-CH/4-CH		16-CH/4-CH	
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) 440mm(W)X251mm(D)X44.4mm(H)/2.6Kg		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	

Milesight CMS

LIVE VIEW / PLAYBACK / ELECTRONIC MAP

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 64-CH 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.

Milesight M-Sight Pro APP

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

KEY FEATURES

- 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 simultaneous 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 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 Network Keyboard

NETWORK CONNECTION / LCD SCREEN DISPLAY / EASY TO USE

KEY FEATURES

- Easy connection and control of Milesight NVRs and PTZ cameras
- Support 4-axis variable speed joystick and shuttle
- Support to control up to 110 devices
- Shortcut keys for PTZ control and NVR control
- Shortcut keys for recording and playback control
- Shortcut keys for light control operation
- Built-in Web Server

Milesight Network Camera Accessories

NEAT & INTEGRATED DESIGN / EASY & ROBUST INSTALLATION

A01 Pole Mount

Weight: 720g
Dimension: 170*51.5*152.6mm
Applicable Model:
Mini Bullet, Motorized Mini Bullet, Vandal-proof Mini Bullet, Vandal-proof Motorized Mini Bullet, Panoramic Mini Bullet, A41, A62, A63, A71, A72, A77

A02 Internal Corner Bracket

Weight: 540g
Dimension: 170*23.2*205.3mm
Applicable Model:
Mini Bullet, Motorized Mini Bullet, Vandal-proof Motorized Mini Bullet, A71, A72

A03 External Corner Bracket

Weight: 900g
Dimension: 170*152.6*76.3mm
Applicable Model:
Mini Bullet, Motorized Mini Bullet, Vandal-proof Mini Bullet, Vandal-proof Motorized Mini Bullet, Panoramic Mini Bullet, A41, A62, A63, A71, A72, A77

A41 Wall Mount

Weight: 400g
Dimension: 200*129*100mm
Applicable Model:
Speed Dome

A42 Pendant Mount

Weight: 650g
Dimension: 116.5*225mm
Applicable Model: Speed Dome

A43 Junction Box

Weight: 1000g
Dimension: 195*164*80mm
Applicable Model: A41, A42

A51 Protective Housing

Weight: 1988g
Dimension: 380*150*H mm (H is adjustable)
Applicable Model: Pro Box

A62 Junction Box

Weight: 510g
Dimension: 134*127*40mm
Applicable Model: Pro Bullet, Mini PTZ Bullet

A63 Junction Box

Weight: 620g
Dimension: 134*127*40mm
Applicable Model: Mini Bullet, Motorized Mini Bullet, Vandal-proof Motorized Mini Bullet

A71 Wall Mount

Weight: 530g
Dimension: 162*124*78mm
Applicable Model:
Mini Dome, IR Mini Dome, Vandal-proof Mini Dome, Weather-proof Mini Dome, AF Motorized Mini Dome

A72 Wall Mount

Weight: 560g
Dimension: 240*160*136mm
Applicable Model: Pro Dome, Fisheye Camera

A73 Adapter Plate

Weight: 28g
Dimension: 115*122.5*10mm
Applicable Model: Vandal-proof Mini Dome

A74 Junction Box

Weight: 60g
Dimension: 121.5*116.5*37.2mm
Applicable Model: Vandal-proof Mini Dome

AC-72 Smoked Dome Cover

Applicable Model:
Pro Dome

A75 Junction Box

Weight: 200g
Dimension: 155.5*167*33.5mm
Applicable Model: Pro Dome, Fisheye Camera

A76 Pendant Mount

Weight: 620g
Dimension: 136*L (L is default as 300mm, also can be extended with A76-L)
Applicable Model: Fisheye Camera, Pro Dome

A76-L Extension Lever

Weight: 315g
Dimension: 34*300mm
Applicable Model: A76

A77 Wall Mount

Weight: 650g
Dimension: 262*185*138mm
Applicable Model: Mini PTZ Dome

A78 Recessed Mount

Weight: 715g
Dimension: 256*256*94mm
Applicable Model: Mini PTZ Dome

A79 Pendant Mount

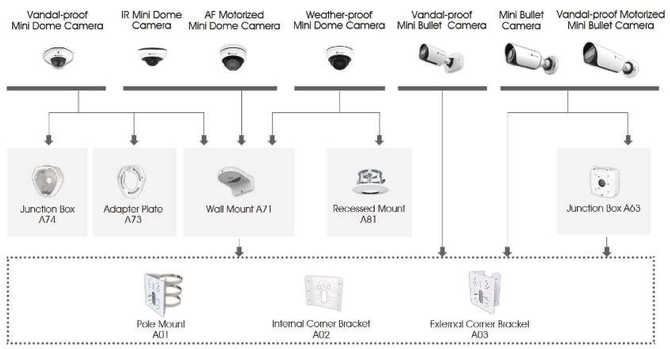
Weight: 850g
Dimension: 256*256*245mm
Applicable Model: Mini PTZ Dome

A81 Recessed Mount

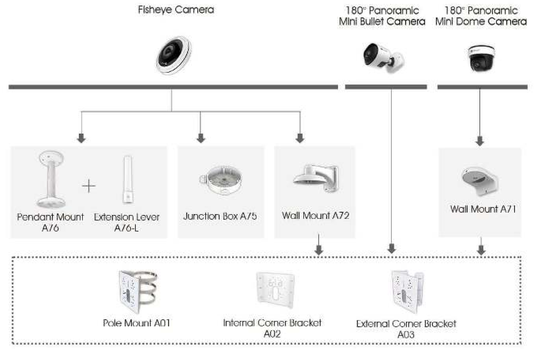
Weight: 450g
Dimension: 168.7*91.3mm
Applicable Model: Weather-proof Mini Dome

Accessories Map

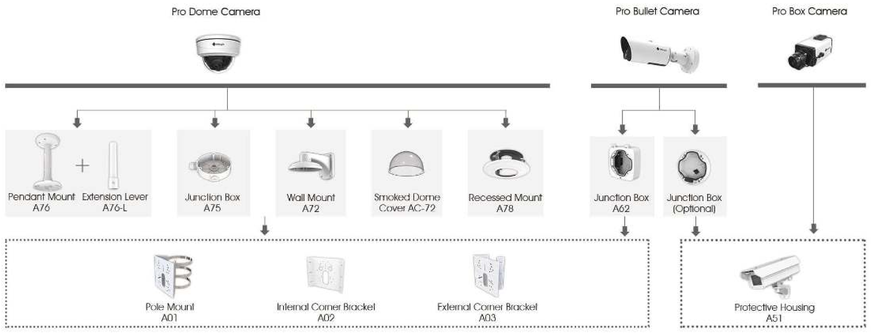
MINI SERIES



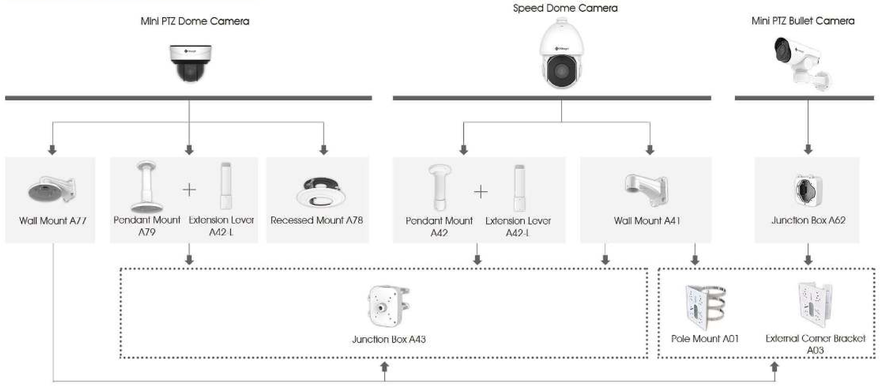
PANORAMIC SERIES



PRO SERIES



PTZ SERIES



Naming Convention

Network Camera

(Model): MS-C2962-(R)F(I)PB --- 2MP H.265 Motorized Pro Bullet Camera

MS-C	2	9	62-	R	F	I	PB
	2 - 2MP 5 - 5MP 8 - 4K 9 - 12MP	1 - IMX415 2 - IMX334 3 - IMX335 6 - IMX226 7 - IMX123 8 - IMX385 9 - IMX290 /307/327	41 - Speed Dome Camera 51 - Pro Box Camera 65 - 180° Panoramic Mini Bullet Camera 64 - Vandal-proof Mini Bullet Camera 63 - Mini Bullet Camera 62 - Pro Bullet Camera 61 - Mini PTZ Bullet Camera 75 - Weather-proof Mini Dome Camera 74 - Fisheye Camera 73 - Vandal-proof Mini Dome Camera 72 - Pro Dome Camera 71 - Mini PTZ Dome Camera 83 - IR Mini Dome Camera		Q - High Frame Rate (120fps) T - High Frame Rate (90fps) R - High Frame Rate (60fps) H - 30fps@4MP&5MP Series X - Magnification of the lens e.g.: X42 - 42X AF lens E - Enterprise Edition F - Motorized Vari-focal Lens	I - P-Iris Supported L - LPR Supported O - IoT Supported A - Face Detection Supported P - PoE Supported B - H.265 Compression Note: In a sequence from top to Bottom	

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 009 - 9-CH 016 - 16-CH 032 - 32-CH 064 - 64-CH	U - 4K	P - PoE	C/T/H - H.265 Compression

Milesight PoE Switch

(Model): MS-S0224-GL --- Milesight 4-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