Milesight

▪ Better Inside, More in Sight ▪

MILESIGHT AI PRODUCT COMPARISON GUIDE

▪ Multi-Megapixel Network Camera · NVR · VMS

V4.0

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BETTER INSIDE, MORE IN SIGHT

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.

Quality

Outstanding product quality and unique design

Support

Timely, efficient and diverse support

Innovation

Independent R&D team guarantees innovative technologies

Timeline

2011-2014

- Started independent R&D
- Launched the first generation product
- Kept diversifying the product portfolio & functions
- Upgrade of hardware & software
- Took advantage of zoom technology
- Stood out as Milesight self-style

2015-2016

- Introduced H.265+ & Starlight & WDR integrated model
- Unveiled the first-of-its-kind 4K Mini NVR
- Realized H.265 IP surveillance total solution
- Deeper third party integration

2017

- Continual accumulation of advanced technology
- Debut of the unrivaled Mini PTZ Bullet Camera

2018

- Upgrading and expansion of existing product line
- Launched high performance LPR Series

2019

- Launched 180° Panoramic Mini Bullet Camera
- New technologies: Auto Tracking, Advanced Heat Map and High-quality Deblur...
- Constantly adding value to the product

2020

- Enhanced product & technique competitiveness
- Adopted new-generation high performance chip
- Unveiled AI product series with deep learning technology

2021

AIoT

- Released AI ANPR solution & Pro Bullet Plus (with 3D Radar Module)
- Explored the potential of AIoT solution
- Launched Milesight VMS Enterprise

2022

- Expanded Comprehensive Milesight Intelligent Traffic Solution
- Released AI Color+ Vandal-proof Mini Bullet Camera

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
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
E - Enterprise Edition
F - Motorized Vari-focal Lens
I - P-Iris Supported
U - Full-color Supported
V - Radar Supported
W - Supplement Light 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-X4TPC --- AI Road Traffic Pro Bullet Plus Camera
PMC8266-FPC --- AI Outdoor Parking Management Pro Bullet Plus Camera

TS	2	8	66-	X4	T	PC

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

Resolution
2 - 2MP
8 - 4K

Sensor
2 - 4K (1/1.8")
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)
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
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
009 - 9-CH
016 - 16-CH
048 - 48-CH
032 - 32-CH
064 - 64-CH

U - 4K

P - PoE

C/E/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

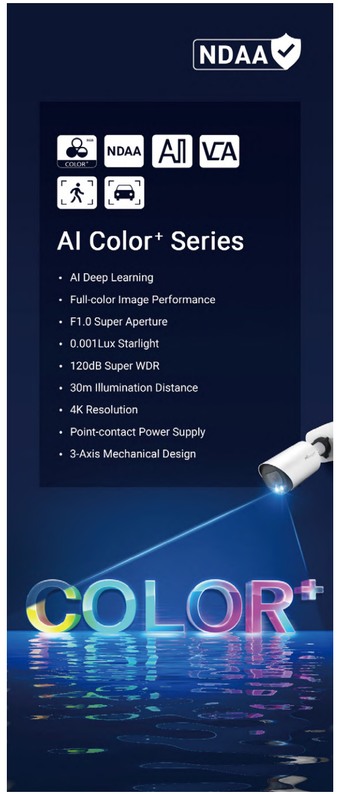
F - Optical Fiber Port（SFP）
L - Extend Mode

MILESIGHT
AI PRODUCTS

AI Products

AI Camera Series ▼
Color⁺ Camera Series — 07
Mini Camera Series — 08
Pro Camera Series — 15
PTZ Camera Series — 21
Panoramic Camera Series — 26
5G Camera Series - 28
Intelligent Traffic Camera Series — 31
IoT Device — 42
NVR Series — 44
PoE Switch — 51
Software — 54
Accessories — 60

AI COLOR+ CAMERA SERIES



		AI Color+ Vandal-proof Mini Bullet Camera		
	Model	MS-C2964-(R)UPD(2MP)	MS-C5364-UPD(5MP)	MS-C8164-UPD(4K)
Camera	Appearance			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)
	Shutter Time	1/100000s~1s		
	Illumination Distance	Up to 30m		
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
General	Working Temperature/ Humidity	-40°C~60°C/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	IP67/IK10		
	Dimensions/Weight	97mmX74mmX180mm/610g(Junction Box Version); 64mmX64mmX160mm/450g(Cable Out Version)		

AI MINI CAMERA SERIES

		AI IR Mini Dome Camera		
	Model	MS-C2983-(R)PD(2MP)	MS-C5383-PD(5MP)	MS-C8183-PD(4K)
Camera	Appearance			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)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 20m		
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio Interface	Built-in Microphone		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	N/A		
	Dimensions/Weight	Φ97.8mmX57.9mm/200g		

		AI Vandal-proof Mini Dome Camera		
	Model	MS-C2973-(R)PD(2MP)	MS-C5373-PD(5MP)	MS-C8173-PD(4K)
Camera	Appearance			
	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)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 30m		
	Day&Night	Day/Night/Auto/Customize/Schedule		
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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, Audio Alarm, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	118.5mmX110.8mmX65mm/500g		

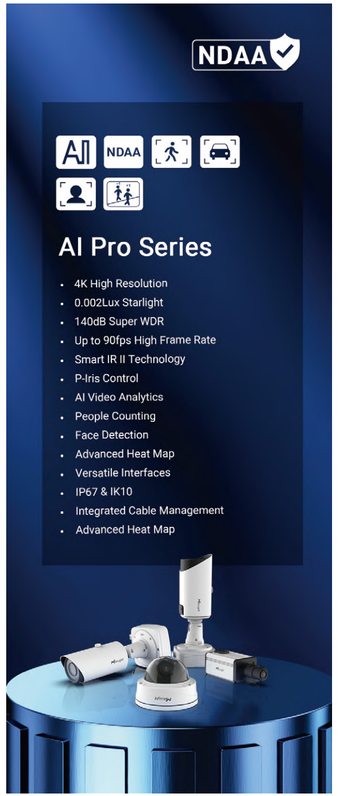
		AI Weather-proof Mini Dome Camera		
	Model	MS-C2975-(R)PD(2MP)	MS-C5375-PD(5MP)	MS-C8175-PD(4K)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with 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)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 25m		
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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, Audio Alarm, etc.		
General	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ108mmX96.5mm/600g (Junction Box Version); Φ106mmX76.5mm/410g (Cable Out Version)		

		AI Motorized Dome Camera		
	Model	MS-C2975-RFPD(2MP)	MS-C5375-FPD(5MP)	MS-C8175-FPD(4K)
Camera	Appearance			
	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°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ130mmX115mm/780g		

		AI Vandal-proof Mini Bullet Camera		
	Model	MS-C2964-(R)PD(2MP)	MS-C5364-PD(5MP)	MS-C8164-PD(4K)
Camera	Appearance			
	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)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 30m		
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	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.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	IP67/IK10		
	Dimensions/Weight	97mmX74mmX180mm/610g(Junction Box Version); 64mmX64mmX160mm/450g(Cable Out Version)		

		AI Weather-proof Mini Bullet Camera		
	Model	MS-C2963-RPA(2MP)	MS-C5363-PA(5MP)	MS-C8163-PA(4K)
Camera	Appearance			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)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	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		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ76mmX214.5mm/750g		

		AI Motorized Bullet Camera		
	Model	MS-C2964-RF(I)PA(2MP)	MS-C5364-F(I)PA(5MP)	MS-C8164-F(I)PA(4K)
Camera	Appearance			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°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	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		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ76mmX239.5mm/825g		



		AI Motorized Pro Dome Camera	
	Model	MS-C2872-R(T)F(I)PE(2MP)	MS-C2972-R(T)F(I)PE(2MP)
Camera	Appearance		
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" 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
	WDR	140dB 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)
	Field of View	H96°~H42°/D111°~D48°/V55°~V23°	H92°~H32°/D107°~D37°/V51°~V18° (2.7~13.5mm)
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	Up to 50m(3.0~10.5mm/2.7~13.5mm) Up to 90m(7~22mm)
	S/N	>55dB	
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Network	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, S IP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	Built-in Microphone and 1 Audio Output interface	
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.	
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting	
System	Alarm I/O	1/1	
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67/IK10	
	Dimensions/Weight	Φ143mmX108.4mm/1100g	

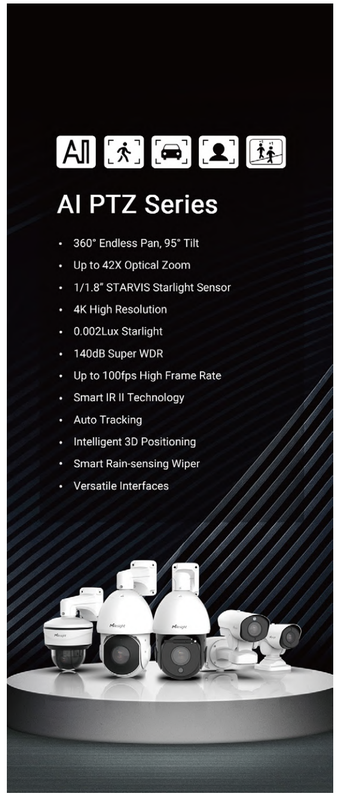
		AI Motorized Pro Dome Camera		
	Model	MS-C5372-F(I)PE(5MP)	MS-C8172-F(I)PE(4K)	MS-C8272-F(I)PE(4K)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
	Min. Illumination	Color:0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR	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	H89°~H30°/D111°~D37°/V66°~V22° (2.7~13.5mm)	H96°~H33°/D112°~D37°/V53°~V18°	H110°~H46°/D126°~D54°/V61°~V25°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m(3.0~10.5mm/2.7~13.5mm) Up to 90m(7~22mm)	Up to 50m	
	S/N	>55dB		
Video	Max. Image Resolution	30fps@(2592x1944)	30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone and 1 Audio Output interface		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.		
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
System	Alarm I/O	1/1		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ143mmX108.4mm/1100g		

		AI Motorized Pro Bullet Camera		
	Model	MS-C2962-R(T)F(I)PE(2MP)	MS-C5362-F(I)PE(5MP)	MS-C8162-F(I)PE(4K)
Camera	Appearance			
	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	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)
	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°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 60m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)		Up to 60m
	S/N	>55dB		
Video	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		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.		
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
System	Alarm I/O	1/1		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67		
	Dimensions/Weight	134mmX126mmX285mm/1080g		

		AI Motorized Pro Bullet Plus Camera				
	Model	MS-C2866-R(T)F(I)PE(2MP)	MS-C2966-R(T)F(I)PE(2MP)	MS-C5366-F(I)PE(5MP)	MS-C8166-F(I)PE(4K)	MS-C8266-F(I)PE(4K)
Camera	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@F1.4 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	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°
	Shutter Time	1/100000s~1s				
	IR Distance	Up to 65m	Up to 65m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)		Up to 65m	
	S/N	>55dB				
Video	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				
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)				
Network	Ethernet	1*RJ45 10M/100M Ethernet Port				
	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				
Audio	Audio Compression	G.711/AAC/G.722/G.726				
	Audio I/O	1/1				
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed				
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.				
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting				
System	Alarm I/O	1/1				
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G				
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark				
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.				
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.				
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)				
	Power Supply	PoE (802.3af) / DC 12V±10%				
	Housing	IP67/IK10				
	Dimensions/Weight	301mmX108mmX98mm/1630g				

		AI 4X/12X Pro Bullet Plus Camera			
	Model	MS-C2866-X4R(T)PE(2MP)	MS-C2966-X12R(T)PE(2MP)	MS-C5366-X12PE(5MP)	MS-C8266-X4PE(4K)
Camera	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: 0.008Lux@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°
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 180m			
	S/N	>55dB			
Video	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			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing) -60℃~60℃ (Optional for Heater Version)/0~90%(Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V±10%			
	Housing	IP67/IK10			
	Dimensions/Weight	320mmX134mmX126mm/1445.8g	320mmX134mmX126mm/1447g		320mmX134mmX126mm/1445.8g

		AI Pro Box Plus Camera			
	Model	MS-C2852-RPE(2MP)	MS-C2952-RPE(2MP)	MS-C5352-PE(5MP)	MS-C8152-PE(4K)
Camera	Appearance				
	Image Sensor	1/2" 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			
	Shutter Time	1/100000s~1s			
	S/N	>55dB			
Video	Max. Image Resolution	60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Dimensions/Weight	130mmX75mmX66mm/366g			



		AI 12X PTZ Bullet Camera	
	Model	MS-C2961-X12R(T)(P)E(2MP)	MS-C5361-X12(P)E(5MP)
Camera	Appearance		
	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°
	Minimum Working Distance	1000/1500mm (Wide/Tele)	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 140m	
	S/N	>55dB	
PTZ	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	
Video	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	
Network	Ethernet	1*RJ45 10M/100M Ethernet Port	
	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	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	1/1 (Optional)	
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.	
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting	
System	Alarm I/O	1/1 (Optional)	
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR,Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, External Input (Optional), Audio Alarm (Optional), etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V/2A±10%	
	Housing	IP66	
	Dimensions/Weight	160mmX273.5mmX210mm/2Kg (Wall Mount) / 218mmX120mmX172mm/1.8Kg (Pedestal Mount)	

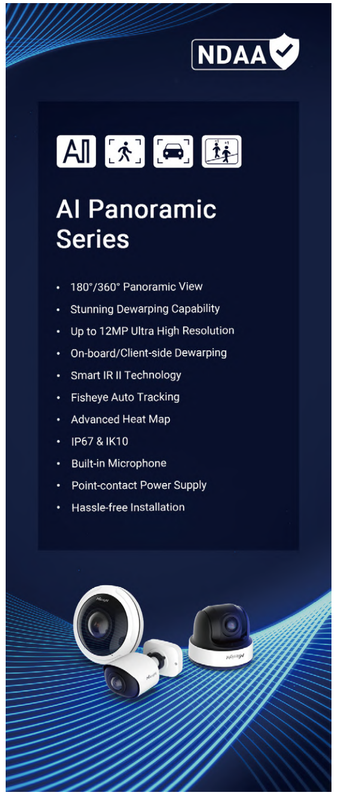
		AI 5X/20X/23X PTZ Bullet Plus Camera				
	Model	MS-C2867-X20TPC(2MP)	MS-C2967-X23R(T)PC(2MP)	MS-C5367-X23PC(5MP)	MS-C8267-X5PC(4K)	MS-C8267-X20PC(4K)
Camera	Appearance					
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 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@F1.6~F4.0, 20X Optical Zoom, 16X Digital Zoom	5~117mm@F1.5~F3.5, 23X Optical Zoom, 16X Digital Zoom		11~55mm@F1.7~F2.1, 5X Optical Zoom, 16X Digital Zoom	6.4~128mm@F1.6~F4.0, 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°~8°/D41°~D9°/V21°~V5°	H60°~H3°/D67°~D4°/V37°~V1°
	Minimum Working Distance	1000~2000mm (Wide/Tele)	1000~1500mm (Wide/Tele)			1000~2000mm (Wide/Tele)
	Shutter Time	1/100000s~1s				
	IR Distance	Up to 180m				
	S/N	>55dB				
PTZ	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				
Video	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				
Network	Ethernet	1*RJ45 10M/100M Ethernet Port				
	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				
Audio	Audio Compression	G.711/AAC/G.722/G.726				
	Audio I/O	1/1				
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed				
	Face Detection	Detect and capture faces, get real-time snapshots				
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting				
System	Alarm I/O	1/1				
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G				
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark				
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.				
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.				
General	Working Temperature /Humidity	-40°C~60°C/0~90%(Non-condensing)				
	Power Supply	PoE (802.3at) / DC 12V/3A±10%				
	Housing	IP66				
	Dimensions/Weight	110mmX337mmX220mm/2.9Kg				

		AI 12X/20X/23X PTZ Dome Network Camera			
	Model	MS-C2871-X20TPE(2MP)	MS-C2971-X12R(T)PE(2MP)	MS-C2971-X23R(T)PE(2MP)	MS-C5371-X12PE(5MP)
Camera	Appearance				
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" 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: 0.005Lux@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	6.4~128mm, 20X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	5~117mm, 23X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom
	Field of View	H60°~H3°/D67°~D4°/V37°~V1°	H61°~H5°/D69°~D5°/V36°~V2°	H60°~H3°/D69°~D4°/ V35°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
	Minimum Working Distance	100/2000mm(Wide/Tele)	1000/1500mm(Wide/Tele)	100/1500mm (Wide/Tele)	1000/1500mm(Wide/Tele)
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 160m			
	S/N	>55dB			
PTZ	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			
Video	Max. Image Resolution	90fps@(1920x1080)	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting & Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V/3A±10%			
	Housing	IP66/IK10			
	Dimensions/Weight	Φ183mmX174.8mm/2Kg			

		AI 23X/30X Speed Dome Camera			
	Model	MS-C2941- X23R(T)PE (2MP)	MS-C2941- X30R(T)PE /W (2MP)	MS-C5341-X23PE (5MP)	MS-C5341-X30PE /W (5MP)
Camera	Appearance				
	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	4.7~141mm, 30X Optical Zoom	5~117mm, 23X Optical Zoom	4.7~141mm, 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°
	Minimum Working Distance	100/1500mm (Wide/Tele)	100/1500mm (Wide/Tele)	100/1500mm(Wide/Tele)	100/1500mm(Wide/Tele)
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 200m	Up to 200m Up to 300m(Wiper Version)	Up to 200m	Up to 200m Up to 300m(Wiper Version)
	S/N	>55dB			
PTZ	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			
Video	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			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection&Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	4/2			
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
General	Wiper(Optional)	-	Support	-	Support
	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / AC 24V/3A±10%			
	Housing	IP66/IK10(Optional)			
	Surge Protection	6KV			
	Dimensions/Weight	Φ205mmX308mm/4Kg			

AI PTZ CAMERA SERIES

		AI 36X/42X Speed Dome Camera			
	Model	MS-C4441-X36RPE /W (4MP)	MS-C2941- X42R(T)PE /W (5MP)	MS-C5341-X42PE /W (5MP)	MS-C8241-X36PE /W (4K)
Camera	Appearance				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	120dB Super WDR			
	Lens	5.7~205.2mm, 36X Optical Zoom	7~300mm, 42X Optical Zoom	7~300mm, 42X Optical Zoom	5.7~205.2mm, 36X Optical Zoom
	Field of View	H62°~H3°/D70°~D3°/ V37°~V1°	H45°~H2°/D50°~D2°/V27°~V1°	H43°~H2°/D53°~D2°/V33°~V1°	H66°~H3°/D72°~D3/V41°~V1°
	Minimum Working Distance	1500/1500mm (Wide/Tele)	1200/1500mm(Wide/Tele)	1200/1500mm(Wide/Tele)	1500/1500mm (Wide/Tele)
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 300m			
	S/N	>55dB			
PTZ	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			
Video	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			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection&Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	4/2			
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
General	Wiper(Optional)	Support			
	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / AC 24V/3A±10%			
	Housing	IP66/IK10(Optional)			
	Surge Protection	6KV			
	Dimensions/Weight	Φ205mmX308mm/4Kg			

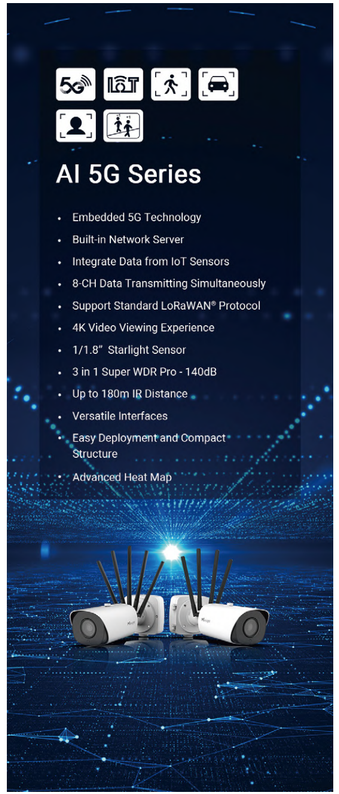


AI PANORAMIC CAMERA SERIES

		AI 360° Panoramic Fisheye Camera	
	Model	MS-C8274-PA (4K)	MS-C9674-PA(12MP)
Camera	Appearance	4K	12MP
	Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@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°	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 15m	
	S/N	>55dB	
Video	Max. Input Resolution	3840x2160	4000x3000
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Display	Mount Mode	Ceiling Mount/Wall Mount/Flat Mount	
	Display Mode	Fisheye View, 360° Panoramic View, 180° Panoramic View, 4PTZ, Fisheye+3PTZ, Panoramic View+3PTZ, Fisheye+Panoramic View+3PTZ	
Network	Ethernet	1*RJ45 10M/100M/1000M Ethernet Port	
	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	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	-	Built-in Microphone and Audio Input/ Output interface
Intelligent Analytics	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	
System	Alarm I/O	-	1/1
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Auto Tracking, Privacy Mask, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V± 10%	
	Housing	IP67/IK10	
	Dimensions/Weight	Φ140mmX45.4mm/700g	

AI PANORAMIC CAMERA SERIES

		AI 180° Panoramic Mini Dome Camera		AI 180° Panoramic Mini Bullet Camera	
	Model	MS-C5376-PE(5MP)	MS-C8176-PE(4K)	MS-C5365-PE(5MP)	MS-C8165-PE(4K)
Camera	Appearance				
	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	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°	H180°/V95°	H180°/V86°
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 15m			
	S/N	>55dB			
Video	Max. Image Resolution	30fps@(2592x1944)(Original), 30fps@(2560x1440)	25fps@(3840x2160)	30fps@(2592x1944)(Original), 30fps@(2560x1440)	25fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	Built-in Microphone			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	-			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Mask, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Housing	IP67/IK10			
	Dimensions/Weight	Φ127mmX107mm/853g		95.8mmX74mmX158.5mm/630g	

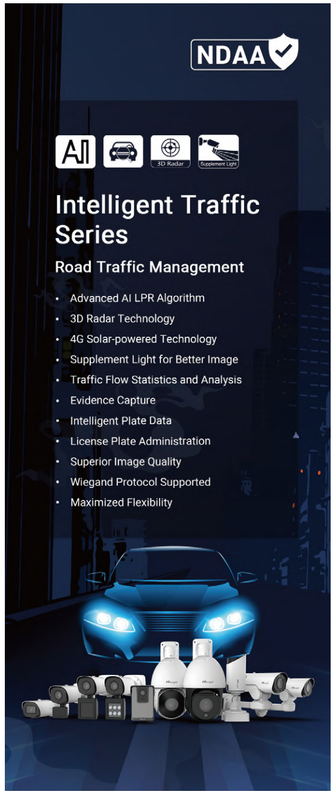


AI 5G CAMERA SERIES

			5G AI 4X/12X Pro Bullet Plus Camera	
	Model		MS-C2966-X12R(T)GPC(2MP)	MS-C8266-X4GPC(4K)
Camera	Appearance			
	Image Sensor		1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
	Min. Illumination		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 (Super WDR Pro is optional for T Series)	120dB Super WDR
	Lens		5.3~64mm@F1.6~F2.8, 12X Optical Zoom	8~32mm@F1.6~F1.7, 4X Optical Zoom
	Field of View		H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
	IR Distance		Up to 180m	
Video	Max. Image Resolution		60fps@(1920x1080) 100fps@(1920x1080)(Optional for T Series)	30fps@(3840x2160)
	Video Compression		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
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 250Mbps	
		NSA	DL 3.4Gbps; UL 200Mbps	
	SIM Card		Nano SIM	
Network	Ethernet		1*RJ45 10M/100M Ethernet Port	
	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	
Audio	Audio Compression		G.711/AAC/G.722/G.726	
System	Storage		NAS(Support NFS, SMB/CIFS), ANR; Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function		Heat Map, Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger		Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity		-40°C~60°C/0~90%(Non-condensing)	
	Power Supply		PoE (802.3at) / DC 12V±10%	
	Housing		IP67(Only for camera body)	
	Dimensions/Weight		320mmX134mmX126mm/1608g 320mmX134mmX292mm (With Antennas)/1608g	

			5G AIoT 4X/12X Pro Bullet Plus Camera		AIoT 12X Pro Bullet Plus Camera
	Model		MS-C2966-X12R(T)GOPC(2MP)	MS-C8266-X4GOPC(4K)	MS-C2966-X12R(T)OPC(2MP)
Camera	Appearance				
	Image Sensor		1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
	Min. Illumination		Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on
	WDR		140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR	140dB Super WDR (Super WDR Pro is optional for T Series)
	Lens		5.3~64mm@F1.6~F2.8, 12X Optical Zoom	8~32mm@F1.6~F1.7, 4X Optical Zoom	5.3~64mm@F1.6~F2.8, 12X Optical Zoom
	Field of View		H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°
	IR Distance		Up to 180m		
Video	Max. Image Resolution		60fps@(1920x1080) 100fps@(1920x1080)(Optional for T Series)	30fps@(3840x2160)	60fps@(1920x1080) 100fps@(1920x1080)(Optional for T Series)
	Video Compression		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
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 250Mbps		-
		NSA	DL 3.4Gbps; UL 200Mbps		-
	SIM Card		Nano SIM		-
LoRaWAN®	Channel		8 channels simultaneously		
	Frequency Band		CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923/AS923-2		
	Sensitivity		-140dBm Sensitivity @292bps		
	Protocol		V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C		
	Communication Range		Up to 15km		
Network	Ethernet		1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression		G.711/AAC/G.722/G.726		
System	Storage		NAS(Support NFS, SMB/CIFS), ANR; Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function		Heat Map, Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger		IoT Sensor Alarm, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature/Humidity		-40°C~60°C/0~90%(Non-condensing)		
	Power Supply		PoE (802.3at) / DC 12V±10%		
	Housing		IP67(Only for camera body)		
	Dimensions/Weight		320mmX134mmX126mm/1636g 320mmX134mmX292mm (With Antennas)/1636g		320mmX134mmX126mm/1521g 320mmX134mmX208mm (With Antennas)/1521g

			5G AI Motorized Pro Bullet Plus Camera		
	Model		MS-C2966-RF(I)GPC(2MP)	MS-C5366-F(I)GPC(5MP)	MS-C8266-F(I)GPC(4K)
Camera	Appearance				
	Image Sensor		1/2.8" Progressive Scan CMOS		1/1.8" 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: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR		140dB Super WDR	120dB Super WDR	
	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) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)	H113°~H33°/D138°~D42°/V83°~V25° (2.7~13.5mm) H42°~H16°/D53°~D20°/V32°~V12° (7~22mm)	H116°~H48°/D134°~D55°/V65°~V27°
	IR Distance		Up to 65m(2.7~13.5mm) Up to 100m(7~22mm)		Up to 65m
Video	Max. Image Resolution		60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression		H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
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 250Mbps		
		NSA	DL 3.4Gbps; UL 200Mbps		
	SIM Card		Nano SIM		
Network	Ethernet		1*RJ45 10M/100M Ethernet Port		
	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		
Audio	Audio Compression		G.711/AAC/G.722/G.726		
System	Storage		NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function		Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger		Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity		-40°C~60°C/0~90%(Non-condensing)		
	Power Supply		PoE (802.3af) / DC 12V±10%		
	Housing		IP67(Only for camera body)		
	Dimensions/Weight		320mmX134mmX126mm/1650g 320mmX134mmX208mm (With Antennas)/1650g		



		AI Road Traffic Pro Bullet Plus Camera		
	Model	TS2866-X4TPE (2MP)	TS2966-X12TPE (2MP)	TS8266-X4PE (4K)
Camera	Appearance			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: 0.009Lux@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		
	White/Black List	Up to 1000 records inside the camera		
	LPR Smart Search	Support		
Interface	Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V		
Video	Max. Image Resolution	90fps@(1920x1080)		30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Network	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc		
General	Housing	IP67/IK10		

		AI Road Traffic Radar Pro Bullet Plus Camera		
	Model	TS2866-X4TVPE (2MP)	TS2966-X12TVPE (2MP)	TS8266-X4VPE (4K)
Camera	Appearance			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: 0.009Lux@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, Vehicle Direction Detection, Speed Detection, Traffic Flow Detection		
	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		
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	Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V		
Video	Max. Image Resolution	90fps@(1920x1080)		30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Network	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc		
General	Housing	IP67		

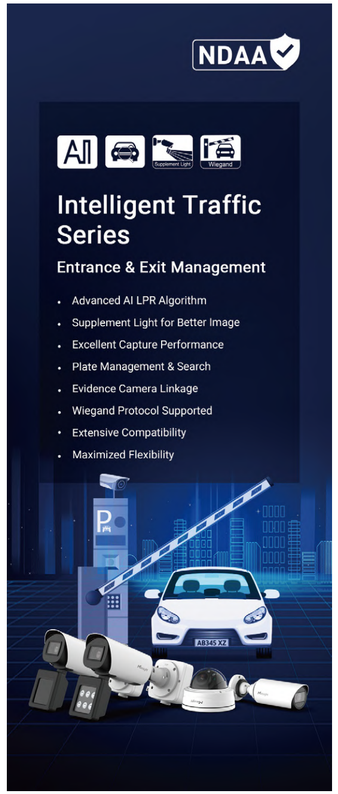
		AI Road Traffic Supplement Light Pro Bullet Plus Camera			
	Model	TS2866-X4TWE /W (2MP)	TS2866-X4TWE /R (2MP)	TS8266-X4WE /W (4K)	TS8266-X4WE /R (4K)
Camera	Appearance			4K	4K
	Image Sensor	1/2" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on		Color: 0.009Lux@F1.6 B/W: 0Lux with IR on	
	WDR	140dB Super WDR		120dB 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			
	White/Black List	Up to 1000 records inside the camera			
	LPR Smart Search	Support			
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	Interface	RS485, Wiegand Interface, Audio I/O, Alarm I/O, Ethernet Port, DC 12V			
Video	Max. Image Resolution	90fps@(1920x1080)		30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
Network	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			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
System	Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T			
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc			
General	Housing	IP67			

		AI Road Traffic PTZ Bullet Camera		AI Road Traffic PTZ Bullet Plus Camera
	Model	TS2961-X12TPE(2MP)	TS5361-X12PE(5MP)	TS2867-X5TPC(2MP)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		1/2" 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: 0.002Lux@F1.7 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR	140dB Super WDR Pro
	Lens	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom		11~55mm, 5X Optical Zoom, 16X Digital Zoom
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	H34°~H8°/D39°~D9°/V20°~V4°
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		
	White/Black List	Up to 1000 records inside the camera		
	LPR Smart Search	Support		
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	Ethernet	Audio I/O (Optional), Alarm I/O (Optional), PoE (802.3at), DC 12V		Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Video	Max. Image Resolution	90fps@(1920x1080)	30fps@(2592x1944)	100fps@(1920x1080)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
Network	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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input (Optional), Audio Alarm (Optional), etc.		Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.
General	Housing	IP66		

		AI Road Traffic Speed Dome Camera	
	Model	TS2841-X36TPC (2MP)	TS2841-X36TPC /W (2MP)
Camera	Appearance		
	Image Sensor	1/2" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.55 B/W: 0Lux with IR on	
	WDR	140dB Super WDR Pro	
	Lens	5.7~205.2mm, 36X Optical Zoom, 16X Digital Zoo	
	Field of View	H63°~H3°/D69°~D3°/ V38°~V1°	
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 50m	
	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	
Interface	Interface	RS485, Audio I/O, 4*Alarm In, 2*Alarm Out, PoE (802.3at), AC 24V	
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°(Auto Flip) / 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	
Video	Max. Image Resolution	100fps@(1920x1080)	
	Video Compression	H.265˚/H.265(HEVC)/H.264˚/H.264/MJPEG	
Network	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	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T	
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.	
General	Housing	IP66/IK10(Optional)	IP66
	Wiper	-	Support

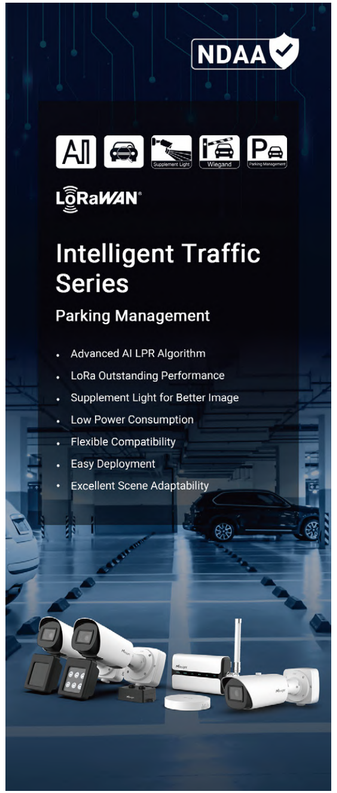
		AI Road Traffic Parking Detection Pro Bullet Plus Camera
	Model	TS8266-FPE /P (2MP)
Camera	Appearance	
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Lens	Motorized 3.6~10mm@F1.4
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°
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
Interface	Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Video	Max. Image Resolution	30fps@(3840x2160)
	Video Compression	H.265˚/H.265(HEVC)/H.264˚/H.264/MJPEG
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
Audio	Audio Compression	G.711/AAC/G.722/G.726
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	Event Trigger	Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Housing	IP67/IK10
	Dimensions/Weight	320mmX134mmX126mm/1630g

			4G Solar-powered Traffic Sensing Camera
	Model		SC211-NA/EU/AU
	Appearance		
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 Illumination 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
Camera	Image Sensor		1/2.8" Progressive Scan CMOS
	Day/Night Mode		Day/Night/Auto
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
	Image Setting		Brightness/Contrast/Saturation/Sharpness
General	GPS		Built-in High-accuracy GPS Module
	Radar Working Frequency		24GHz
	Protocol		MQTT
	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Solar Power	Power	≥35W
		OCV	<22V
		Connector	MC4
	Direct & Battery Power	Power Supply	USB Type-C
		Battery	Single Cell Battery: 3.6V, 3200mAh, 10.24Wh Total: 7.2V, 6400mAh, 46.08Wh
		Battery Life	The power is 70% after 500 times of accumulative charging and discharging
	Power Consumption		0.33W Normal (Detection Status) 1.35W Normal (Capture Status) 11W MAX (Night Capture Status)
	Weather Proof		IP66
	Operational Temperature		-20°C~60°C
	Weight		612g, 790g (With the Battery)
	Rain Cover Movement Distance		10mm
	Dimensions		175mmX111mmX56.7mm(Without Rain Cover)
	Warranty		2 Years



		Entrance & Exit AI LPR Bullet Camera		Entrance & Exit AI LPR Pro Dome Camera
	Model	MS-C2964-RFLPE(2MP)	MS-C5364-FLPE(5MP)	MS-C2972-RFLPE(2MP)
Camera	Appearance			
	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: 0.005Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR	140dB Super WDR
	Lens	Motorized 2.7~13.5mm@F1.4		
	Field of View	H111°~H34°/D130°~D39° /V60°~V19°	H99°~H31°/ D124°~D38° /V72°~V23°	H115°~H34°/D135°~D39° /V62°~V19°
Entrance & Exit Management	Max. Vehicle Speed	200km/h		
	Recognition Accuracy	>98%		
	Coverage	Support simultaneous detection of 4 regions		
	Country/Region Supported	More than 80 countries and regions		
	Illumination Distance	Up to 20m		
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture		
	Smart Traffic Function	Evidence Camera Linkage		
	White/Black List	Up to 1000 records inside the camera		
	LPR Smart Search	Support		
Interface	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
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	60fps@(1920x1080)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
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		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T		
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ76mmX239.5mm/825g		Φ143mmX108.4mm/1100g

		Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
	Model	MS-C2966-RFLWPE /W (2MP)	MS-C2966-RFLWPE /R (2MP)
Camera	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Function	Evidence Camera Linkage	
	White/Black List	Up to 1000 records inside the camera	
	LPR Smart Search	Support	
Illuminator	Supplement Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize	
Interface	Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
Video	Max. Image Resolution	60fps@(1920x1080)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
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	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67	
	Dimensions/Weight	320mmX134mmX126mm/1630g 320mmX134mmX231mm/2075g (With Supplement Light)	



AI OUTDOOR PARKING MANAGEMENT

		AI Outdoor Parking Management Pro Bullet Plus Camera
	Model	PMC8266-FPC(4K)
Camera	Appearance	
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Lens	Motorized 3.6~10mm@F1.4
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°
	IR Distance	Up to 65m
Parking Space Management	Parking Space Detection	Up to 100 Parking Spaces@10m
	Detection Accuracy	>98%
	Data Report	Triggered Report: when parking space is occupied or released; Interval Report: regular report of entire parking situation
	Mounting Height	>3.5m
Video	Max. Image Resolution	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
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
Audio	Audio Compression	G.711/AAC/G.722/G.726
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, EIS, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Housing	IP67/IK10
	Dimensions/Weight	301mmX108mmX126mm/1630g

AIoT INDOOR PARKING MANAGEMENT

		Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
	Model	MS-C2966-RFLWPE /W (2MP)	MS-C2966-RFLWPE /R (2MP)
Camera	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Function	Evidence Camera Linkage	
	White/Black List	Up to 1000 records inside the camera	
	LPR Smart Search	Support	
Illuminator	Supplement Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize	
Interface	Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
Video	Max. Image Resolution	60fps@(1920x1080)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
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	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67	
	Dimensions/Weight	320mmX134mmX126mm/1630g 320mmX134mmX231mm/2075g (With Supplement Light)	

AIoT INDOOR PARKING MANAGEMENT

		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	Ingress Protection	IP65	IP30
Ethernet Isolation	Ethernet Isolation	1.5 kV RMS	

		LoRaWAN® Ultrasonic Distance/Level Sensor
	Model	EM310-UDL
Appearance	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	Configuration	NFC Configuration via Mobile App
Power Supply	Power Supply	2 x 3500 mAh ER17505 Li-SOCl2 battery
Battery Life	Battery Life	Up to 10 years (10 min interval + 20 triggers per day)
Ingress Protection	Ingress Protection	IP67

IOT DEVICES

		3D ToF People Counter
	Model	VS132-915M/868M
	Appearance	ToF
Wireless Transmission	Protocol	LoRaWAN®
	Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
	Max Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
	Sensitivity	-137 dBm @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	Up to 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
Physical Characteristics	Power Supply	12 VDC, 2A by Terminal Block 1×802.3 at PoE input
	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/Weight	140x50 x 50 mm (5.51 x1.97x 1.97 in)/296 g
	Installation	Ceiling Mounting, Wall Mounting, Embedded Mounting

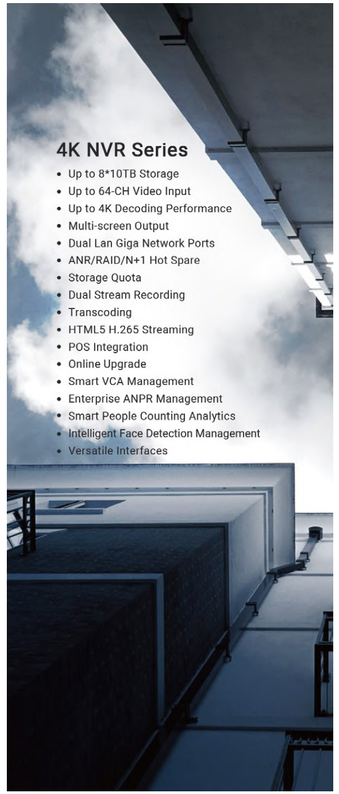
- AI Network Camera
- NVR
  - 4K H.265 PoE NVR Series --- 44
  - 4K H.265 NVR Series --------- 47
- PoE Switch
- Software

NDAA | PoE | H.265 HEVC | 4K | ONVIF S&T | Transcoding | Dual Stream | RAID | N+1 Hot Spare | ANR | ANPR | VCA | Online Upgrade | Mobile Connection | HTML5

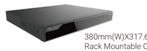
		Mini PoE NVR 1000 Series		
	Model	MS-N1004-UPC	MS-N1008-UPC	MS-N1008-UNPC
	Appearance	220(W)X200(D)X43.6(H)mm/0.2Kg	220(W)X200(D)X43.6(H)mm/0.2Kg	115(W)X115(D)X180(H)mm/1.5Kg
Video/Audio Input	Network Video Input	4-CH/4*PoE Ports	8-CH/4*PoE Ports	
	Incoming/Outcoming Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60H, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	1*(30fps @8MP), 1*(30fps @6MP), 1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps @1080P), 4*(30fps @720P)	1*(30fps @8MP), 1*(30fps @6MP),1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps@1080P), 8*(30fps @720P)	
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
Storage	SATA	1*SATA HDD(3.5")		
	Capacity	Up to 10TB capacity for each HDD		
	ANR	Support		
	N+1 Hot Spare	–		
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)		
	Playback Type	General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 10/100Mbps		1*RJ45 10/100/1000Mbps
	USB Interface	2*USB 2.0		
PoE Interface	Interface	4*RJ45 10/100Mbps		
	Power Output	≤40W		
	Supported Standard	IEEE 802.3af/at		
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Power Supply	DC 48V 1.3A		DC 48V 1.25A
	Consumption	≤3.5W(Without HDD, without enabling PoE)		≤4.4W(Without HDD, without enabling PoE)
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%		

		PoE NVR 5000 Series		
	Model	MS-N5008-UPC	MS-N5008-PE	MS-N5016-PE
	Appearance	380mm(W)X317.6mm(D)X51.8mm(H)/2.6Kg Rack Mountable Chassis (1.0U Standard)	380mm(W)X317.6mm(D)X51.8mm(H)/2.6Kg Rack Mountable Chassis (1.0U Standard)	380mm(W)X317.6mm(D)X51.8mm(H)/2.7Kg Rack Mountable Chassis(1.0U Standard)
Video/Audio Input	Network Video Input	8-CH/8*PoE Ports		16-CH/16*PoE Ports
	Incoming/Outcoming Bandwidth	80Mbps/80Mbps	80Mbps/50Mbps	
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz		
	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	1*(30fps @8MP), 1*(30fps @6MP),1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps@1080P), 8*(30fps @720P)	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP),4*(30fps @3MP), 6*(30fps @1080P), 8*(30fps @720P)	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 12*(30fps @720P)
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
Storage	SATA	2*SATA HDD(3.5")		
	Capacity	Up to 10TB capacity for each HDD		
	ANR	Support		
	N+1 Hot Spare	–		
Disk Array	Array Type	–		
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)		
	Playback	General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 10/100/1000Mbps		
	USB Interface	2*USB 2.0		
	Audio Input/Output	1*RCA/1*RCA		
	Alarm Input/Output	4-CH/1-CH		
PoE Interface	Interface	8*RJ45 10/100Mbps		16*RJ45 10/100Mbps
	Power Output	≤120W		≤200W
	Supported Standard	IEEE 802.3af/at		
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Power Supply	AC 100V~240V 50Hz~60Hz		
	Consumption	≤9W(Without HDD, without enabling PoE)		≤8.5W(Without HDD, without enabling PoE)
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%		

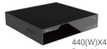
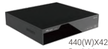
		PoE NVR 7000 Series		
	Model	MS-N7016-UPH	MS-N7032-UPH	MS-N7048-UPH
	Appearance	Rack Mountable Chassis (1.5U Standard) 440mm(W)X320mm(D)X66.8mm(H)/5.0Kg	Rack Mountable Chassis (1.5U Standard) 440mm(W)X390mm(D)X66.75mm(H)/4.89Kg	Rack Mountable Chassis (1.5U Standard) 440mm(W)X390mm(D)X66.75mm(H)/4.89Kg
Video/Audio Input	Network Video Input	16-CH/16*PoE Ports	32-CH/24*PoE Ports	48-CH/24*PoE Ports
	Incoming/Outcoming Bandwidth	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)
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/60Hz, 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz,1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz		
	Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	4*(30fps @8MP), 5*(30fps @6MP), 6*(30fps @5MP), 8*(30fps @4MP), 10*(30fps @3MP), 16*(30fps @1080P), 16*(30fps @720P)	4*(30fps @8MP), 5*(30fps @6MP), 6*(30fps @5MP), 8*(30fps @4MP), 10*(30fps @3MP), 16*(30fps @1080P), 32*(30fps @720P)	
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
Storage	SATA	4*SATA HDD(3.5")		
	Capacity	Up to 10TB capacity for each HDD		
	ANR	Support		
	N+1 Hot Spare	–		
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)		
	Playback Type	General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 10/100/1000Mbps		
	USB Interface	1*USB 3.0; 2*USB 2.0		
PoE Interface	Interface	16*RJ45 10M/100M	24*RJ45 10/100Mbps	
	Power Output	≤200W		
	Supported Standard	IEEE 802.3af/at		
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Power Supply	AC 100V~240V 50Hz~60Hz		
	Consumption	≤20W(Without HDD, without enabling PoE)	≤18W(Without HDD, without enabling PoE)	
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%		

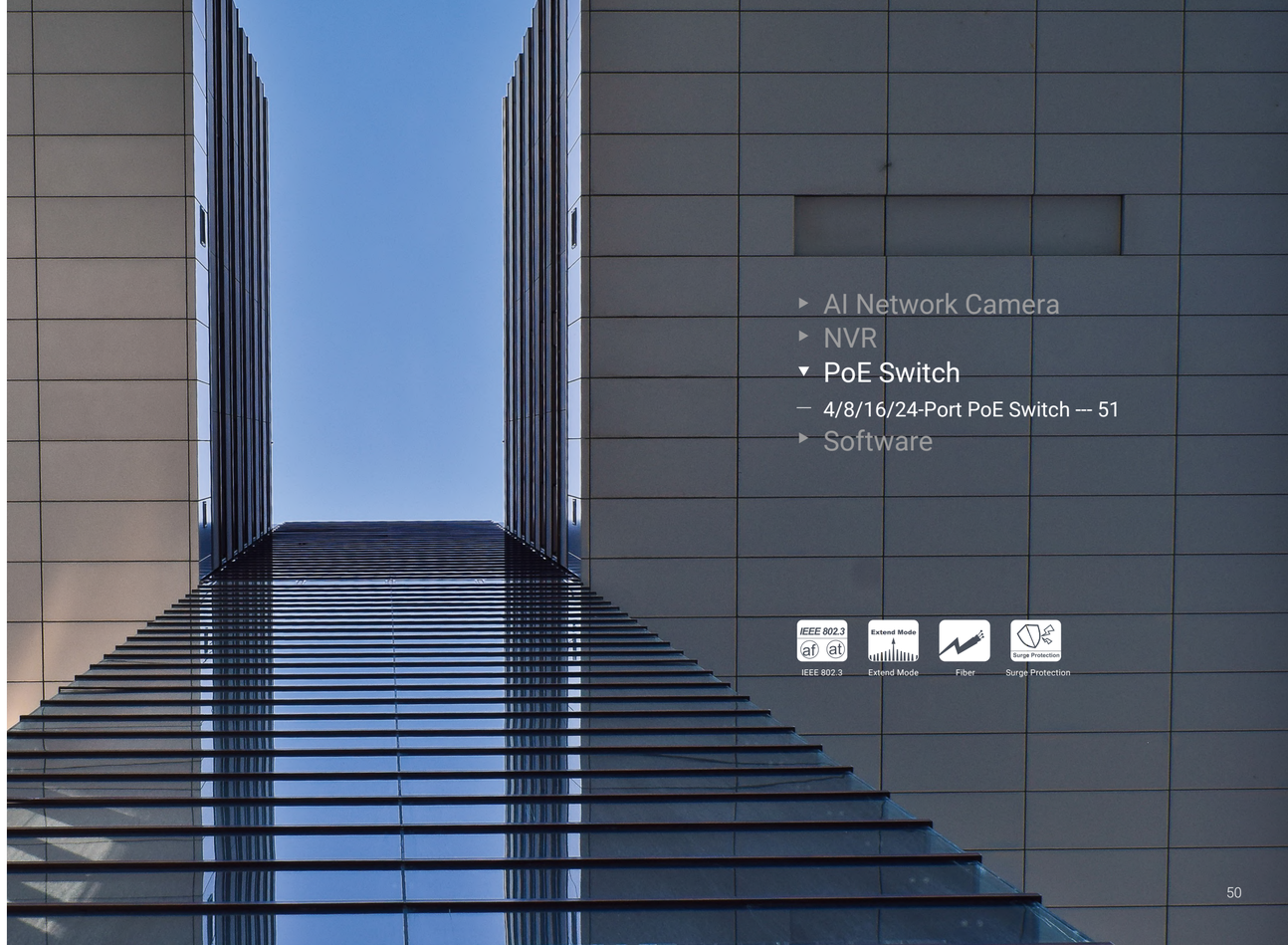


		Mini NVR 1000 Series		
	Model	MS-N1004-UC	MS-N1008-UC	MS-N1008-UNC
	Appearance	220mm(W)X200mm(D)X43.6mm(H)/0.2Kg	220mm(W)X200mm(D)X43.6mm(H)/0.2Kg	80mm(W)X80mm(D)X120mm(H)/0.85Kg
Video/Audio Input	Network Video Input	4-CH	8-CH	
	Incoming/Outcoming Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	1*(30fps @8MP), 1*(30fps @6MP), 1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps @1080P), 4*(30fps @720P)	1*(30fps @8MP), 1*(30fps @6MP),1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps@1080P), 8*(30fps @720P)	
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
Storage	SATA	1*SATA HDD(3.5")		2*SATA HDD(2.5")
	Capacity	Up to 10TB capacity for each HDD		Up to 2TB capacity for each HDD
	ANR	Support		
	N+1 Hot Spare	–		
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)		
	Playback Type	General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 10/100Mbps		1*RJ45 10/100/1000Mbps
	USB Interface	2*USB 2.0		
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Power Supply	DC 12V 2A		DC 12V 1.5A
	Consumption	≤2.3W(Without HDD)		≤4.1W(Without HDD)
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%		

		Pro NVR 5000 Series		
	Model	MS-N5008-UC	MS-N5008-E	MS-N5016-E
	Appearance	380mm(W)X317.6mm(D)X51.8mm(H)/1.9Kg Rack Mountable Chassis (1.0U Standard)	 380mm(W)X317.6mm(D)X51.8mm(H)/1.9Kg Rack Mountable Chassis (1.0U Standard)	380mm(W)X317.6mm(D)X51.8mm(H)/1.9Kg Rack Mountable Chassis(1.0U Standard)
Video/Audio Input	Network Video Input	8-CH		16-CH
	Incoming/Outcoming Bandwidth	80Mbps/80Mbps	80Mbps/50Mbps	
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output		
	VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz		
	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF		
	Synchronous Playback	1*(30fps @8MP), 1*(30fps @6MP),1*(30fps @5MP), 2*(30fps @4MP),2*(30fps @3MP), 4*(30fps @1080P),8*(30fps @720P)	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 8*(30fps @720P)	1*(30fps @8MP), 2*(30fps @6MP), 2*(30fps @5MP), 3*(30fps @4MP), 4*(30fps @3MP), 6*(30fps @1080P), 12*(30fps @720P)
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264		
	Audio Compression	G.711/AAC/G.722/G.726		
	Sample Rate	8KHz/16KHz		
Storage	SATA	2*SATA HDD(3.5")		
	Capacity	Up to 10TB capacity for each HDD		
	ANR	Support		
	N+1 Hot Spare	–		
Disk Array	Array Type	–		
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)		
	Playback	General Playback, Event Playback, Tag Playback, Split Playback, Picture Playback		
Backup	Backup	Video Backup, Image Backup		
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS		
External Interface	Network Interface	1*RJ45 10/100/1000Mbps		
	USB Interface	2*USB 2.0		
	Audio Input/Output	1*RCA/1*RCA		
	Alarm Input/Output	4-CH/1-CH		
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed		
	Power Supply	DC 12V 50Hz~60Hz		
	Consumption	≤3W(Without HDD)		≤4W(Without HDD)
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%		

4K H.265 NVR SERIES

		Pro NVR 7000 Series		Pro NVR 8000 Series	
	Model	MS-N7016-UH	MS-N7032-UH	MS-N8032-UH	MS-N8064-UH
	Appearance	440(W)X320(D)X66.8(H)mm/4.1Kg Rack Mountable Chassis(1.5U Standard)	440(W)X320(D)X66.8(H)mm/4.1Kg Rack Mountable Chassis(1.5U Standard)	 440(W)X420(D)X88.2(H)mm/6.0Kg Rack Mountable Chassis(2.0U Standard)	 440(W)X420(D)X88.2(H)mm/6.0Kg Rack Mountable Chassis(2.0U Standard)
Video/Audio Input	Network Video Input	16-CH	32-CH	32-CH	64-CH
	Incoming/Outcoming Bandwidth	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)
Video/Audio Output	HDMI Output	1-CH, Resolution: 3840x2160/60Hz, 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz, HDMI Supports Audio Output		2-CH, Resolution: 3840x2160/60Hz(HDMI1 Only), 3840x2160/30Hz(HDMI1 Only), 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz,1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output	
	VGA Output	1-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz		2-CH, Resolution: 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	
	Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF			
	Synchronous Playback	4*(30fps@8MP), 5*(30fps@6MP), 6*(30fps@5MP), 8*(30fps@4MP), 10*(30fps@3MP), 16*(30fps@1080P), 16*(30fps@720P)	4*(30fps@8MP), 5*(30fps@6MP), 6*(30fps@5MP), 8*(30fps@4MP), 10*(30fps@3MP), 16*(30fps@1080P), 32*(30fps@720P)	4*(30fps@8MP), 5*(30fps@6MP), 6*(30fps@5MP), 8*(30fps@4MP), 10*(30fps@3MP), 16*(30fps@1080P), 32*(30fps@720P)	4*(30fps@8MP), 5*(30fps@6MP), 6*(30fps@5MP), 8*(30fps@4MP), 10*(30fps@3MP), 16*(30fps@1080P), 32*(30fps@720P), 64*(30fps@D1)
Video/Audio Compression	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264			
	Audio Compression	G.711/AAC/G.722/G.726			
	Sample Rate	8KHz/16KHz			
Storage	SATA	4*SATA HDD(3.5")		8*SATA HDD (3.5")	
	eSATA	-		1*eSATA	
	Capacity	Up to 10TB capacity for each HDD			
	ANR	Support			
	N+1 Hot Spare	Support			
Disk Array	Array Type	RAID0, RAID1, RAID5, RAID6, RAID10			
Recording Management	Recording Type	Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)			
	Playback	Video Playback, Image Playback			
Backup	Backup	Video Backup, Image Backup			
Network	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, NTP, SNTP, SMTP, SNMP, UPnP, NFS			
External Interface	Network Interface	2*RJ45 10/100/1000Mbps			
	USB Interface	1*USB 3.0; 2*USB 2.0			
	Audio Input/Output	1*RCA/1*RCA		1*RCA/2*RCA	
	Alarm Input/Output	16-CH/4-CH			
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed			
	Power Supply	AC 100V~240V 50Hz~60Hz			
	Consumption	≤15W(Without HDD)		≤35W(Without HDD)	
	Working Conditions	Temperature: -10°C~55°C/Humidity: 10%~90%			



- AI Network Camera
- NVR
- PoE Switch
  - 4/8/16/24-Port PoE Switch --- 51
- Software

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

	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	IEEE802.3af/at	
Max. PoE Power	Max. capacity: 65W Max. capacity for single port: 30W	Max. capacity: 120W Max. capacity for single port: 30W	
Functional Switch	Standard Mode: Port 1~6: 10/100Mbps auto-sensing@100 meters Extend Mode: Port 1~4: 10Mbps@250 meters & Port 5~6: 100Mbps@100 meters Note: When the switch status changes, PoE switch must be restarted for the switch function to take effect.	Standard Mode: Port 1~10: 10/100Mbps auto-sensing@100 meters Extend Mode: Port 1~8: 10Mbps@250 meters & Port 9~10: 100Mbps@100 meters Note: When the switch status changes, PoE switch must be restarted for the switch function to take effect.	Standard Mode: Port 1~8: 10/100Mbps auto-sensing@100 meters & Port 9~10: 1000Mbps@100 meters Extend Mode: Port 1~8: 10Mbps @250 meters & Port 9~10: 1000Mbps @100 meters Note: When the switch status changes, PoE switch must be restarted for the switch function to take effect.
Indicator	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green) Functional Switch Indicator: EXTEND (green)	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green) Functional Switch Indicator: EXTEND (green)	
Cooling Fan	–	–	
Operating Temperature	-20°C~55°C	-20°C~55°C	
Storage Temperature	-40°C~75°C	-40°C~75°C	
Operating/Storage Humidity	10%~90%RH (non-condensing)	10%~90%RH (non-condensing)	
Lightning Protection/ Protection Level	Port lightning protection: 4KV 8/20us Protection level: IP30	Port lightning protection: 4KV 8/20us Protection level: IP30	
Dimensions	142.5mm(W)X115mm(D)X40mm(H)	195mm(W)X130mm(D)X40mm(H)	
Weight	0.5kg	0.7kg	
Installation Method	Desktop Mounted Type, Wall Mounted Type	Desktop Mounted Type, Wall Mounted Type	

	PoE Switch			
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)		14.8Gbps (non-blocking)	
Packet Forwarding Rate@64byte	5.36Mpps		6.55Mpp	
Packet Forwarding Cache	4M		4M	
MAC	16K		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		IEEE802.3af/at	
Max. PoE Power	Max. capacity: 200W Max. capacity for single port: 30W	Max. capacity: 250W Max. capacity for single port: 30W	Max. capacity: 400W Max. capacity for single port: 30W	
Functional Switch	Standard Mode: Port 1~16: 10/100Mbps auto-sensing @100 meters & Port 17~18: 1000Mbps@100 meters Extend Mode: Port 1~8: 10/100Mbps auto-sensing@100 meters & Port 9~16: 10Mbps@250 meters & Port 17~18: 1000Mbps@100 meters Note: When the switch status changes, PoE switch must be restarted for the switch function to take effect.	Port 1~16: 10/100Mbps auto-sensing@100 meters & Port 17~18: 1000Mbps@100 meters & Port 19~20: 1000Mbps	Standard Mode: Port 1~24: 10/100Mbps auto-sensing @100 meters & Port 25~26: 1000Mbps@100 meters Extend Mode: Port 1~16: 10/100Mbps auto-sensing@100 meters & Port 17~24: 10Mbps@250 meters & Port 25~26: 1000Mbps@100 meters Note: When the switch status changes, PoE switch must be restarted for the switch function to take effect.	Port 1~24: 10/100Mbps auto-sensing@100 meters & Port 25~26: 1000Mbps@100 meters & Port 27~28: 1000Mbps
Indicator	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green) Functional Switch Indicator: EXTEND (green)	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green)	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green) Functional Switch Indicator: EXTEND (green)	Power Indicator: PWR (green) Network Indicator: Link (yellow) PoE Working Indicator: PoE (green)
Cooling Fan	1		1	
Operating Temperature	-20°C~55°C		-20°C~55°C	
Storage Temperature	-40°C~75°C		-40°C~75°C	
Operating/Storage Humidity	10%~90%RH (non-condensing)	5%~90%RH (non-condensing)	10%~90%RH (non-condensing)	5%~90%RH (non-condensing)
Lightning Protection/ Protection Level	Port lightning protection: 4KV 8/20us Protection level: IP30		Port lightning protection: 4KV 8/20us Protection level: IP30	
Dimensions	270.4mm(W)X181mm(D)X44mm(H)	440mm(W)X225mm(D)X44mm(H)	329.8mm(W)X204mm(D)X44mm(H)	440mm(W)X225mm(D)X44mm(H)
Weight	1.5kg	4.4kg	2.2kg	4.5kg
Installation Method	Desktop Mounted Type, Wall Mounted Type		Desktop Mounted Type, Wall Mounted Type	

Software

MILESIGHT SMART TOOLS

Search · Configuration · Calculation

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

MILESIGHT CMS

Live View · Playback · Electronic Map

- 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
- Flexible Playback Interface
- Support multiple monitors (Up to 256-CH each monitor)
- Support up to 256 devices
- Support two-layer E-map
- Milesight VCA functions
- Support advanced functions like ANPR solution, Crowd Management solution, Heat Map and Auto Tracking, etc.

MILESIGHT M-SIGHT PRO APP

H.265 & H.264 · Customized Stream Parameters · Dual Stream

iOS/Android supported

- 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 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 CLOUD

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

Software

Milesight VMS Enterprise

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

AI ONVIF H.265 HEVC VCA ANR

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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

Excellent Reliability

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

Tailor-made Service Supported

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

High-level Security

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

Great Flexibility

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

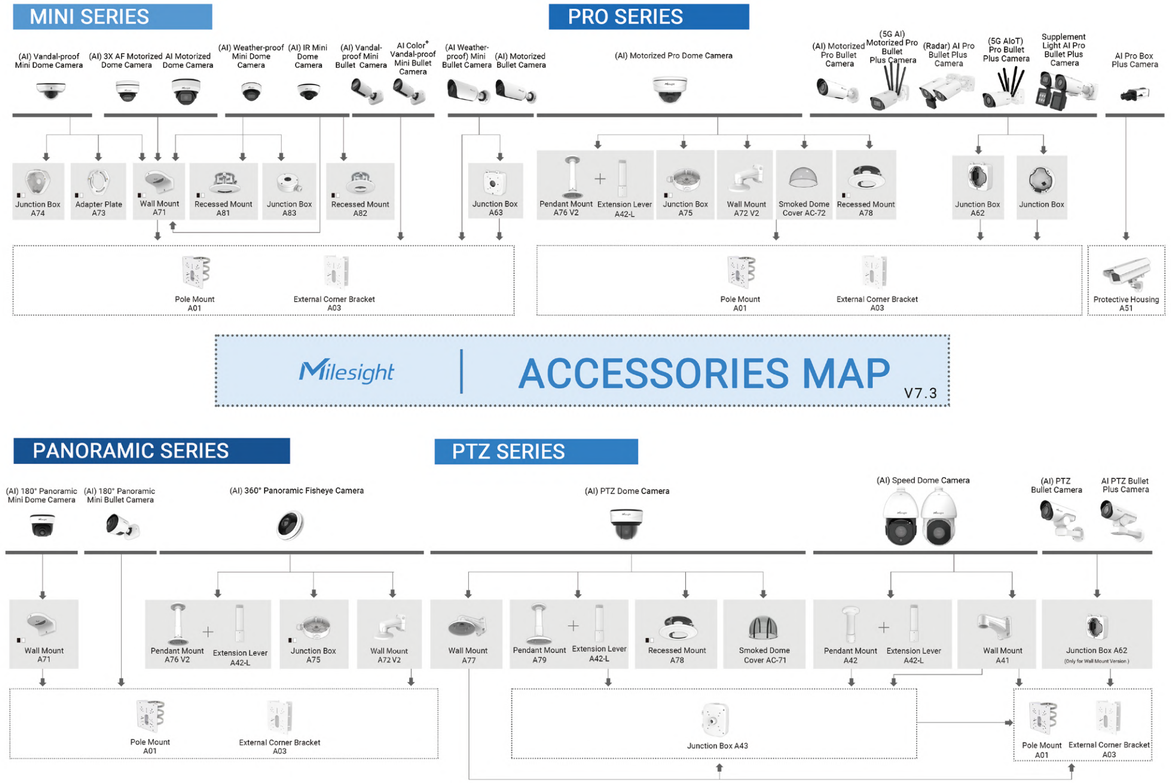
User-friendliness

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

VMS PRODUCTS

		Video Surveillance Appliance	
	Model	VE0404-S	VE1208-S
	Appearance		
Devices	Included Cameras Access License	64	128
Recording	Recording Schedule	64	128
Event & Alarm	Event and Alarm Rules	1000	
Users & Roles	Concurrent Accesses via Clients, App Clients	100	
	Users	1000	
	Roles	100	
System	Main Processor	1*Quad-Core Intel® Xeon® Processor	1*Octa-Core Intel® Xeon® Silver Processor
	Memory	8GB UDIMM 3200MT/s ECC parity. Extendable up to 128GB	16GB (1*16GB) UDIMM 3200MT/s ECC parity. Extendable up to 1TB
	Network Interface	1 GbE RJ-45 ports *2	
	RAID Support	Not Supported	RAID 0/1/5/6/10/50/60
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
	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
	SSD Drive (Operating System)	240GB*1 M.2 SSD	240GB*2 M.2 SSD, RAID1
	Capacity	Up to 20TB capacity for each disk	
	Recording Storage Capacity	Up to 80TB raw; 40TB effective(RAID 1)	Up to 240TB raw; 160TB effective(RAID 60)
	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
	Video Output	VGA*1	VGA*2
General	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
	Power Supply	Single 600W Mixed Mode	Dual 800W Mixed Mode
	Working Temperature/Humidity	5°C to 45°C (41°F to 113°F); 8% to 90% RH (no freezing and no condensation)	
	Chassis	1U rack server	2U rack server
	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

		AI Box
	Model	BX108-A
	Appearance	
System Parameters	Main Processor	High-performance embedded microprocessors
	Operating System	Embedded Linux
Device Access	Video Stream Input	Video Resolution: 1920 x 1080 (1080P), 2560 x 1440 (4MP), 3840 x 2160 (8MP)
	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.
		• 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
		• 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.
	Accuracy	Face: face capture rate ≥ 99%, false capture rate < 1%, recognition pass rate: >99.5%, recognition false rate: < 0.5%.
		Human body: human body capture rate ≥ 95%, false catch rate < 1%.
		Motor vehicle: motor vehicle capture rate ≥ 90%, false catch rate < 1%.
		Non-motor vehicle: non-motor vehicle capture rate ≥ 95%, false catch rate < 1%.
Interface Parameters	Network Interface	2, 100M/1000M adaptive Ethernet, RJ45 interface
	Alarm Interface	Alarm Input: 4-way switch/Alarm Output 4-way switch
	Audio Interface	Audio Input: 1-way/Audio Output: 1-way
	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.
	Video Structured	Capture of face, human body, motor vehicle and non-motor vehicle, etc., attribute analysis.
	Network Protocols	TCP/UDP/HTTP/MULTICAST/DHCP/FTP/NTP/HTTPS/RTSP, etc.
Other	Dimensions (L/D)/Weight	229×193×49 (mm)/1.96Kg



Accessories

A01 Pole Mount

Weight:
720g
Dimension:
170*51.5*152.6mm
Applicable Model:
(AI Weather-proof) Mini Bullet,
(AI) Vandal-proof Mini Bullet
(AI) Vandal-proof Motorized Mini 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*76.3mm
Applicable Model:
(AI Weather-proof) Mini Bullet,
(AI) Vandal-proof Mini Bullet
(AI) Vandal-proof Motorized Mini Bullet,
AI PTZ Bullet Plus, AI Color+ Vandal-proof Mini Bullet
(AI) 180° Panoramic Mini Bullet & Dome
A41, A62, A63, A71, A72, A77

A41 Wall Mount

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

A42 Pendant Mount

Weight:
650g
Dimension:
Φ116.5*255mm
Applicable Model:
(AI) Speed Dome

A42-L Extension Lever

Weight:
325g
Dimension:
Φ57*255mm
Applicable Model:
A42, A79

A43 Junction Box

Weight:
1000g
Dimension:
195*164*80mm
Applicable Model:
A01, A41, A42

A51 Protective Housing

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

A62 Junction Box

Weight:
510g
Dimension:
134*126*40mm
Applicable Model:
(AI) Pro Bullet, (Radar) AI Pro Bullet Plus,
(5G AIoT) Pro Bullet Plus Camera
AI PTZ Bullet Plus,
(AI) PTZ Bullet(Only for Wall Mount Version.)
Supplement Light AI LPR Pro Bullet Plus

A63 Junction Box

Weight:
620g
Dimension:
134*126*40mm
Applicable Model:
(AI Weather-proof) Mini Bullet
(AI) Vandal-proof Motorized Mini Bullet

A71 Wall Mount

Weight:
530g
Dimension:
162*124*78mm
Applicable Model:
(AI) IR Mini Dome,
(AI) Vandal-proof Mini Dome,
(AI) Weather-proof Mini Dome,
(AI) 3X AF Motorized Dome,
AI Motorized Dome Camera,
(AI) 180° Panoramic Mini Dome

A72 V2 Wall Mount

Weight:
560g
Dimension:
240*160*136mm
Applicable Model:
(AI) Pro Dome,
(AI) 360° Panoramic Fisheye

A73 Adapter Plate

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

Accessories

A74 Junction Box

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

AC-71 Smoked Dome Cover

Weight:
120g
Dimension:
Φ136.8*92.5mm
Applicable Model:
(AI) PTZ Dome

AC-72 Smoked Dome Cover

Weight:
39g
Dimension:
Φ100*56mm
Applicable Model:
(AI) Pro Dome

A75 Junction Box

Weight:
200g
Dimension:
145*167*33.5mm
Applicable Model:
(AI) Pro Dome,
(AI) 360° Panoramic Fisheye

A76 V2 Pendant Mount

Weight:
620g
Dimension:
136*L (L is default as 300mm,
also can be extended with A76-L)
Applicable Model:
(AI) 360° Panoramic Fisheye
(AI) Pro Dome

A76-L Extension Lever

Weight:
315g
Dimension:
Φ34*300mm
Applicable Model:
A76

A77 Wall Mount

Weight:
650g
Dimension:
262*185*138mm
Applicable Model:
(AI) PTZ Dome

A78 Recessed Mount

Weight:
715g
Dimension:
Φ256*94mm
Applicable Model:
(AI) PTZ Dome, (AI) Pro Dome

A79 Pendant Mount

Weight:
850g
Dimension:
Φ185*295mm
Applicable Model:
(AI) PTZ Dome

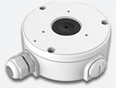
A81 Recessed Mount

Weight:
450g
Dimension:
Φ168.7*91.3mm
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 installations
Applicable Model:
(AI) IR Mini Dome

A83 Junction Box



Weight:
270g
Dimension:
Φ122*45.5mm
Applicable Model:
(AI) Weather-proof Mini Dome