Milesight

2025 MILESIGHT VIDEO SURVEILLANCE

PRODUCT CATALOG



Milesight | www.milesight.com/security

V1.2

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About Milesight

Intelligent Sensing. Global Scale

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

Purpose-Driven. Built for Tomorrow

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



2000+
Distributors and System Integrator Partners

1000+
Employees

50%+
CAGR from 2013 to 2024

2
Focus on 2 Product Lineups: Smart IoT and Video Surveillance

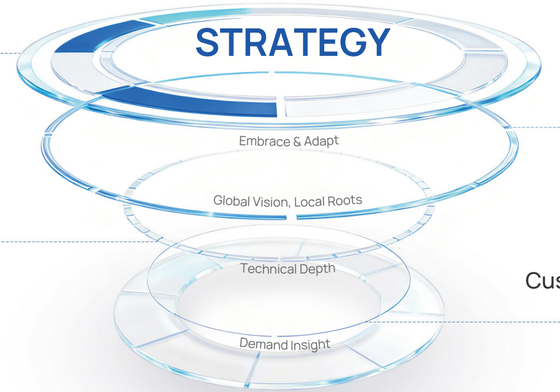
Competitive Edge

Powerful Partner Ecosystem

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

Strong In-House R&D

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



Localized Expertise

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

Customer-Centric Innovation

We listen, adapt, andupgrade — delivering smarter, sharper solutions built around real-world needs.

BUILT TO LEAD. STRUCTURED TO SCALE.



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Naming Convention

Video Surveillance Series

Video Surveillance Camera

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

MS-C	29	66 -	R	F	I	P	E
Series	Resolution	Camera Type	Features				

Series

Milesight Camera

Resolution

29 - 2MP
44 - 4MP(1/1.8")
45 - 4MP(1/2.8")
53 - 5MP
67 - 6MP(1/2.4")
81 - 4K
82 - 4K(1/1.8")
96 - 12MP

Camera Type

21 - AI Multi-directional Camera
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
77 - Dual-sensor 180° Panoramic 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

Features

Frame Rate:
T - High Frame Rate(90fps)
R - High Frame Rate (60fps)
S - 20fps@4K Series

Lens:
X - Magnification of the Lens
e.g.: X42 - 42X AF Lens
F - Motorized Vari-focal Lens

Advanced Features:
I - P-Iris Supported
G - 5G Supported
O - IoT Supported
P - PoE Supported
H - Smart Hybrid Light
Y - Speaker & Dual Mic

Platform:
A/D/E - AI Platform
K - Open Platform
GX - Platform Upgrade
e.g.:G1 represents the first generation
G2 represents the second generation

Note: In a sequence from top to bottom

[Model]: MS-CQ4468-HYPG1 --- AI TrueColor Bullet Camera

MS-CQ	44	68-	H	Y	P	G1
Series	Resolution	Camera Type	Advanced Features			

Series

Milesight Q Series Camera

Resolution

44 - 4MP(1/1.8")
54 - 5MP(1/2.65")
81 - 4K(1/2.7")
82 - 4K(1/1.8")

Camera Type

31 - TrueColor Turret Camera
68 - TrueColor Bullet Camera
72 - TrueColor Dome Camera

Advanced Features

P - PoE Supported
H - Smart Hybrid Light
Y - Speaker & Dual Mic
GX - Platform Upgrade
e.g.:G1 represents the first generation
G2 represents the second generation

Network Video Recorder

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

MS-N	7	032-	U	P	H
Series					

Series

Milesight NVR

7	032-	U	P	H
1- 2*HDD (2.5") or 1*HDD (3.5")	004 - 4-CH	U - 4K	P - PoE	C/E/H/G - AI Platform
5- 2*HDD (3.5")	008 - 8-CH			
7- 4*HDD (3.5")	016 - 16-CH			
8- 8*HDD (3.5")	048 - 48-CH			
	032 - 32-CH			
	064 - 64-CH			

[Model]: VE1208-S --- Enterprise NVR Storage Server with 128-CH License, 12 Disk Slots.
VE0602-A --- Enterprise NVR with 32-CH License, 6 Disk Slots.

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

12	08-	S
01 - 1* (2.5" or 3.5") Slots	00 - 8CH	A - Enterprise NVR
02 - 2* (2.5" or 3.5") Slots	01 - 16CH	S - Enterprise NVR Storage Server
04 - 16* (2.5" or 3.5") Slots	02 - 32CH	
06 - 6* (2.5" or 3.5") Slots	04 - 64CH	
12 - 12*3.5" Slots	08 - 128-CH	
16 - 16*3.5" Slots		

PoE Switch

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

MS-S	02	24-	G	L

02	24-	G	L
02 - 2*Uplink Ports	04 - 4*PoE Ports	E - 10/100Mbps Uplink Port	F - Optical Fiber Port (SFP)
04 - 4*Uplink Ports	08 - 8*PoE Ports	G - Gigabit Uplink Port	L - Extend Mode
	16 - 16*PoE Ports		
	24 - 24*PoE Ports		

IP Speaker

[Model]: MS-WS15P ---Milesight 15W Rate Power IP Speaker

MS-WS	15	P
IP Speaker	Rate Power	P - POE Supported

15 -15W
30 -30W

Intelligent Traffic Series

Entrance & Exit Management

[Model]: MS-C2972-RFLPE --- Entrance & Exit AI LPR Pro Dome Camera

MS-C	29	72-	R F L P E
Series	Sensor	Camera Type	Advanced Features
Entrance & Exit Camera	29 - 2MP	64 - Vandal-proof Mini Bullet Camera 66 - Pro Bullet Plus Camera 72 - Pro Dome Camera	R - High Frame Rate (60fps) F - Motorized Vari-focal Lens L - LPR Supported W - Supplement Light Supported P - PoE Supported C/E - AI Platform



TrafficC Series

[Model]: TS4466-X4RIVPG1 -- AI Road Traffic Radar Pro Bullet Plus Camera
TS8266-FPC/P --- AI Road Traffic Parking Detection Pro Bullet Plus Camera

TS	44	66-	X4 R I V P G1
Series	Resolution	Camera Type	Advanced Features
Traffic Sensing Camera	29 - 2MP 44 - 4MP(1/1.8") 53 - 5MP 82 - 4K(1/1.8")	41 - Speed Dome Camera 61 - PTZ Bullet Camera 66 - Pro Bullet Plus Camera 67 - PTZ Bullet Plus Camera	Frame Rate: T - High Frame Rate (100fps/90fps) R - High Frame Rate (60fps) Lens: X - Magnification of the Lens e.g.: 36X AF Lens F - Motorized Vari-focal Lens Other Functions: I - P-Iris Supported V - Radar Supported W - Supplement Light Supported G - 5G Supported P - PoE Supported Platform: C/E - AI Platform GX - Platform Upgrade e.g.:G1 represents the first generation



TrafficX Series

[Model]: TS5510-GH/LTE-EU --- TrafficX Camera

TS	55	1	0	-	GH	/	LTE-EU
Series	Resolution	Camera Type	Application Scenarios		Advanced Features		Cellular Module
TrafficX Camera	55 - 5MP	(55)10 - TrafficX Camera (55)11 - TrafficX Enforcement Camera	0 - LPR Application 1 - Traffic Enforcement Application		G - Global Shutter V - Radar Version H - AI Platform		4G Version: LTE - NA - North America LTE - EU - Europe, the Middle East and Africa LTE - AU - Latin America, Australia and New Zealand 5G - 5G Version



Solar-powered Series

[Model]SP111/41L/LTE-NA/16mm/850----4G Solar-powered Security(ANPR) Camera

SP	11	1	/	4	1	L	/	LTE-NA	/	16mm	/	850
Series	Camera Type	Hardware Version		Resolution	Sensor	Advanced Feature		Celluar Module		Lens		IR Wave Length
SP -Solar Power	11 - Bullet	1-First Generation		4 -4MP	1-4MP(1/2.8")	L-LPR Supported		4G Version: LTE-NA -North America LTE-EU - Europe, the Middle East and Africa LTE-AU - Latin America, Australia and New Zealand LTE-JP - JAPAN				850-850mm 740-740mm



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

SC	2	1	1-	NA
Series	Major Application Scenarios	Core Technology	Camera Type	4G Module Supported Region
Sensing Camera	2 - Intelligent Traffic	1 - Frame-based AI	(2_)1 - 4G Solar-powered Traffic Sensing Camera	NA - North America EU - Europe, the Middle East and Africa AU - Latin America, Australia and New Zealand



Parking Management

[Model]: PMC8266-FPE --- AI Parking Management Pro Bullet Plus Camera

PMC	8	2	66-	F P E
Series	Resolution	Sensor	Camera Type	Advanced Features
Parking Management Camera	8 - 4K	2 - 4K (1/1.8")	66 - Pro Bullet Plus Camera	F - Motorized Vari-focal Lens P - PoE Supported E - AI Platform



[Model]: PM3322-E --- Indoor Parking Guidance Camera

PM	3	3	2	2	E
Series	Resolution	Resolution	Camera Type	Application Scenarios	Advanced Features
Parking Management	3 - 3MP	3 - 3MP	(33) 2 - Indoor Parking Guidance Camera	2 - Parking Application	E - AI Platform



MILESIGHT

AI PRODUCTS



Security Camera Series

07
Solar-powered Series

11
OpenVision Series

16
PTZ Series

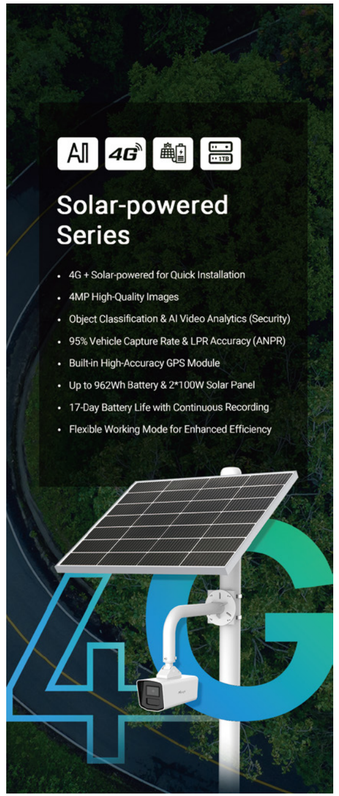
21
Panoramic Series

25
5G Series

27
Q Series

30
Mini Series

37
Pro Series



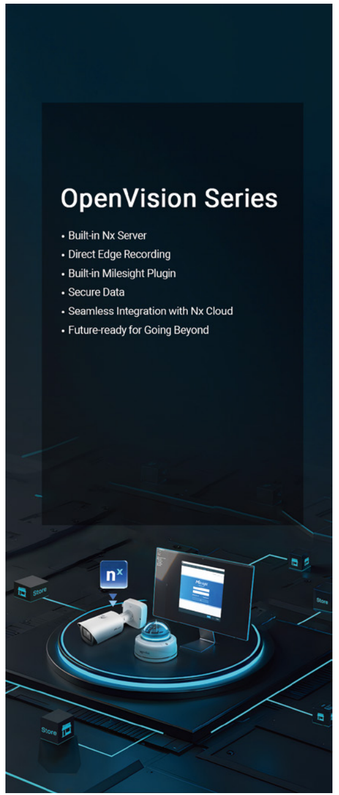
		4G Solar-powered Security Camera	
	Model	SP111/41	
Image	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6	B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	IR Wave Length	850nm	
	IR Distance	Up to 20m (65.62 ft)	
Lens	Lens	2.8mm / 6mm	
	Field of View	2.8mm: H111°/D128°/V61°	6mm: H52.8°/D60.4°/V29.7°
DORI	DORI	2.8mm: D: 64.7m, O: 25.4m, R: 12.7m, I: 6.4m	6mm: D: 128m, O: 50.4m, R: 25.2m, I: 12.6m
Video	Max. Image Resolution	4MP (2688*1520)	
	Privacy Masking	Up to 4 areas (Mask)	
Interface	Alarm I/O	Input *1, Output *1	
	Audio I/O	Input *1, Output *1	
	RS485	1	
Wireless Network	SIM Card	Nano SIM	
Intelligent Analytics	Object Classes	Human, Vehicle (Bicycle/Car/Motorcycle/Bus/Truck)	
	Video Analysis	Intrusion Detection, Line Crossing, Object Left, Advanced Motion Detection, Tamper Detection	
System	GPS	Built-in High-accuracy GPS Module	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	System Compatibility	ONVIF Profile G&M&S&T, API	
General	Power Supply	DC 12V±10%	
	Power Consumption	**Sleep Mode:** 0.19W **Basic:** 1.71W (Event + 4G Module OFF), 1.65W (Event + 4G Module OFF + Dynamic FPS On) **Max:** 3.89W (Illuminator + Event + 4G streaming ON)	
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Kit Dimensions	1050*1150*592mm	
	Kit Weight	30.8kg	34.6kg (With packaging)
Controller	Power Output	9 to 12.6 VDC, Max. 25.2W	
Battery	Battery Type	Ternary lithium battery	
	Battery Capacity (Energy Capacity)	90Wh	360Wh (4 units of B90)
	Weight	640g (Single cell battery)	730g (Single cell battery with packaging)
	Dimensions	125*48*95mm	

		4G Solar-powered ANPR Camera	
	Model	SP111/41L	
Image	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6	B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	IR Wave Length	850nm	740nm
	IR Distance	Up to 20m (65.62 ft)	
Lens	Lens	16mm	
	Field of View	H19.4°/D22.2°/V11°	
DORI	DORI	D: 341m, O: 134m, R: 67.2m, I: 33.6m	
Video	Max. Image Resolution	4MP (2688*1520)	
	Privacy Masking	Up to 4 areas (Mask)	
Interface	Alarm I/O	Input *1, Output *1	
	Audio I/O	Input *1, Output *1	
	RS485	1	
Wireless Network	SIM Card	Nano SIM	
Intelligent Analytics	Coverage	Up to 2 lanes	
	Recognition Accuracy	≥ 95%	
	Max. Vehicle Speed	Vehicles with a speed of ≤ 70km/h (43.5 mile/h)	
	Attributes Identification	Vehicle Type, No-plate Vehicle Capture, White/Black List Management	
	White/Black List	Up to 20,000 records inside the camera	
System	GPS	Built-in High-accuracy GPS Module	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	System Compatibility	ONVIF Profile G&M&S&T, API	
General	Power Supply	DC 12V±10%	
	Power Consumption	**Sleep Mode:** 0.19W **Basic:** 1.72W (ANPR + 4G Module OFF) **Max:** 3.51W (Illuminator + ANPR + 4G streaming ON)	
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Kit Dimensions	1050*1150*592mm	
	Kit Weight	30.8kg	34.6kg (With package)
Controller	Power Output	9 to 12.6 VDC, Max. 25.2W	
Battery	Battery Type	Ternary lithium battery	
	Battery Capacity (Energy Capacity)	90Wh	360Wh (4 units of B90)
	Weight	640g (Single cell battery)	730g (Single cell battery with packaging)
	Dimensions	125*48*95mm	

		S100 Solar Power System
	Model	S100B55
Charge	Appearance	
	Solar Panel Modules in Kit	Default: 1 units; Optional: 2 units
	PV Power	100W
	PV Input Voltage	18V
	Material	Monocrystalline silicon
Energy Storage	Battery Type	NMC
	Battery Capacity	50AH
	Total Energy	555Wh
	Battery Life	9 days (without data transmission), 6 days (with data transmission)
	Deep Cycles	＞1000
	Nominal Voltage	11.1V
	Working Voltage Range	9~12.4V DC
Discharge	Output Voltage	9~12.6V DC
	Maximum Output Current	10A
	Discharge Depth	95%DOD
Function	Communication	RS485
	Battery Heating	Charging current > 2A and lower than -5℃ turns on
	Protection Type	Overcurrent/ Overvoltage/ Short Circuit/ Undervoltage/ Temperature
	Charging Temperature Range	0℃~ 60℃
	Discharging Temperature Range	-20℃~ 65℃
	Status Indicator	LED (charging status, battery status, output status)

SOLAR-POWERED SERIES

		S100 Solar Power System
	Model	S100B96
Charge	Appearance	
	Solar Panel Modules in Kit	Default: 1 units; Optional: 2 units
	PV Power	100W
	PV Input Voltage	18V
	Material	Monocrystalline silicon
Energy Storage	Battery Type	NMC
	Battery Capacity	90AH
	Total Energy	962Wh
	Battery Life	17 days (without data transmission), 11 days (with data transmission)
	Deep Cycles	＞1000
	Nominal Voltage	11.1V
	Working Voltage Range	9.6~12.6V DC
Discharge	Output Voltage	11.1~12.6V DC
	Maximum Output Current	10A
	Discharge Depth	95%DOD
Function	Communication	RS485
	Battery Heating	Charging current > 2A and lower than -5℃ turns on
	Protection Type	Overcurrent/ Overvoltage/ Short Circuit/ Undervoltage/ Temperature
	Charging Temperature Range	0℃~ 60℃
	Discharging Temperature Range	-20℃~ 65℃
	Status Indicator	LED (charging status, battery status, output status)



OPENVISION SERIES

		Milesight OpenVision Camera	
	Model	MS-C5366-FIPKG1(5MP)	MS-C5372-FIPKG1(5MP)
Camera	Appearance	 NDAA	 NDAA
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.007Lux@F1.6 B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	IR Distance	Up to 65m (2.7~13.5mm)	Up to 50m (2.7~13.5mm)
Lens	Lens	Motorized 2.7~13.5mm@F1.6; P-Iris	
	Field of View	H104°~H32°/D130°~D40°/V76°~V24° (2.7~13.5mm)	H100°~H32°/D126°~D40° /V73°~V24° (2.7~13.5mm)
	DORI Distance	Wide: D: 51.4m, O: 20.2m, R: 9.6m, I: 4.4m Tele: D: 181m, O: 73m, R: 36m, I: 18m	Wide: D: 55m, O: 21.8m, R: 10.4m, I: 4.8m Tele: D: 181m, O: 73m, R: 36m, I: 18m
Video	Max. Image Resolution	2592x1944	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	Built-in Microphone and 1 Audio Output interface
	Alarm I/O	1/1	
Audio	Audio Compression	G.711/AAC/G.722/G.726	G.711/AAC/G.722/G.726
	Audio Bit Rate	16~256kbps	
Intelligent Analytics	Video Analysis	Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
System	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	Snapshot, Play Audio, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
	System Compatibility	ONVIF Profile G&M&S&T, API	
Edge	Edge Storage	Support microSD Card Local Storage, up to 1TB (UHS-I Micro SD, A2 standard or above); Support SD Card Health Information Query	
	Edge VMS	Single Camera Mode: Support to register the maximum number of the camera - up to 1 camera (purchase the license with 1× NX channel) - total bandwidth: Up to 10Mbps Multi-camera Mode: Support to register the maximum number of the camera - up to 4 cameras (purchase the license with 4× NX channel) - total bandwidth: Up to 20Mbps. *AI Mode can be enabled for both 1 and 4 camera setups. However, for external connections, only basic video streams are supported, and metadata is not supported.	
General	CPU	Dual-core 64-bit Arm CA53 processor	
	Memory	2GB RAM, 4GB Flash	
	Power Supply	PoE (802.3af) / DC 12V±20%, Dual power supply redundancy	
	Power Consumption	Typical: 4.5W (DC), 5.5W (POE) MAX: 7.8W (With IR on, DC), 9.6W (With IR on, POE)	
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
	Weight & Dimensions	1630g / 301mmX108mmX126mm	1100g / Φ143mmX108.4mm

OPENVISION SERIES

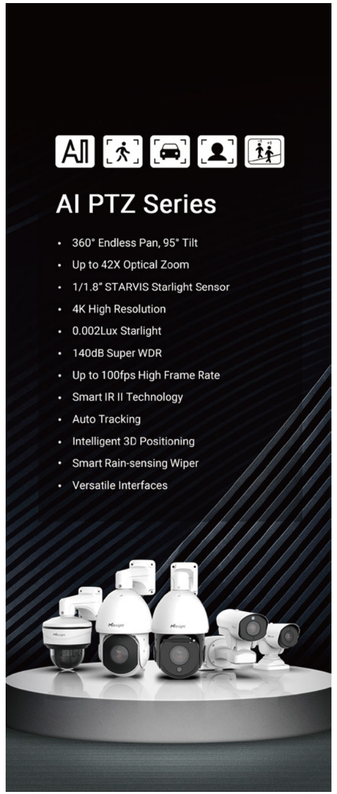
		Milesight OpenVision Pro Bullet Plus Camera	
	Model	MS-C5366-RFIPKG1(5MP)	MS-C8266-RFIPKG1(8MP)
Camera	Appearance	 NDAA	 NDAA
	Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.004Lux@F1.2 B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	DORI Distance	D: 86~242M O: 33.5~95M R: 16.5~47.5M I: 8~23.5M	D: 98.5~212M O: 38.5~83M R: 19~41.5M I: 9.5~20.5M
Lens	Lens	Motorized 2.7mm~13.5mm@F1.2	Motorized 2.8mm~12mm@F1.2
	Field of View	H93.5°~32.5°/ D121°~40.5°/ V68°~24.5°	H105°~46.5°/D122.5°~53.5°/V55.5°~26°
Video	Max. Image Resolution	2592x1944	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, LLDP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS1.2	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	2/2 (Alarm Output 2: wet contact, 10mA 12V DC)	
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed	
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.	
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.	
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	System Compatibility	ONVIF Profile G & M & S & T, API	
Edge	Edge Storage	Support microSD Card Local Storage, up to 1TB (UHS-I Micro SD, A2 standard or above); Support SD Card Health Information Query	
	Edge VMS	Single Camera Mode: Support to register the maximum number of the camera - up to 1 camera (purchase the license with 1× NX channel) - total bandwidth: Up to 11Mbps. Multi-camera Mode: Support to register the maximum number of the camera - up to 4 cameras (purchase the license with 4× NX channel) - total bandwidth: Up to 11Mbps. *AI Mode can be enabled for both 1 and 4 camera setups. However, for external connections, only basic video streams are supported, and metadata is not supported.	
General	Working Temperature/Humidity	-40℃~60℃; 0~95% RH (Non-condensing)	
	Power Supply	PoE+ (802.3at) / DC 10V~DC 28V	
	Power Consumption	Min.: 3W (DC), 4W (PoE+) Max.: 14W (DC), 16W (PoE+)	Min.: 4W (DC), 4.5W (PoE+) Max.: 15.5W (DC), 17.5W (PoE+)
	Weight & Dimensions	1600g; 301mm X 108mm X 126mm	

		Milesight OpenVision Pro Dome Camera	
	Model	MS-C5372-RFIPKG1(5MP)	MS-C8272-RFIPKG1(8MP)
Camera	Appearance	 NDAA	 NDAA
	Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.004Lux@F1.2 B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	DORI Distance	D: 86~242M O: 33.5~95M R: 16.5~47.5M I: 8~23.5M	D: 98.5~212M O: 38.5~83M R: 19~41.5M I: 9.5~20.5M
Lens	Lens	Motorized 2.7mm~13.5mm@F1.2	Motorized 2.8mm~12mm@F1.2
	Field of View	H93.5°~32.5°/ D121°~40.5°/ V68°~24.5°	H105°~46.5°/D122.5°~53.5°/V55.5°~26°
Video	Max. Image Resolution	2592x1944	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, LLDP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS1.2	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	Built-in Microphone and 1 Audio Output Interface	
	Alarm I/O	1/1	
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed	
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.	
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.	
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	System Compatibility	ONVIF Profile G & M & S & T, API	
Edge	Edge Storage	Support microSD Card Local Storage, up to 1TB (UHS-I Micro SD, A2 standard or above); Support SD Card Health Information Query	
	Edge VMS	Single Camera Mode: Support to register the maximum number of the camera - up to 1 camera (purchase the license with 1× NX channel) - total bandwidth: Up to 11Mbps. Multi-camera Mode: Support to register the maximum number of the camera - up to 4 cameras (purchase the license with 4× NX channel) - total bandwidth: Up to 11Mbps. *AI Mode can be enabled for both 1 and 4 camera setups. However, for external connections, only basic video streams are supported, and metadata is not supported.	
General	Working Temperature/Humidity	-40 C ~60 C ; 0~95% RH (Non-condensing)	
	Power Supply	PoE+ (802.3at) / DC 10V~DC 28V	
	Power Consumption	Min.: 3W (DC), 4W (PoE) Max.: 8.5W (DC), 10.5W (PoE)	Min.: 4W (DC), 5W (PoE) Max.: 9.5W (DC), 11W (PoE)
	Weight & Dimensions	1250g; Φ143mm X 108.4mm	

		Milesight OpenVision Server
	Model	SE0201-K/Nx
	Appearance	 NDAA
Image	Inputs	Max. 16CH
	Resolution	12MP ~ CIF
System	Main Processor	Intel Celeron Series, 4C 4T@2.00 GHz
	Memory	2*4GB DDR4
	Network Interface	2*1000Mbps RJ-45 Ports
	Operating System	Linux Ubuntu 22.04.5 LTS Desktop
Record	Video Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 144Mbps
	Mode	Continuous, Motion, Events, Objects, Dual Stream
	Edge Analytics	Analytics Events: CCTV (Intrusion Detection/ Region Entrance/ Region Exit/ Advanced Motion Detection/ Line Crossing/ Loitering/ Object Left/Object Removed/ Object Counting/ Regional People Counting); LPR (Attribute Event/ Black List/ White List/ Visitor Event/ Speed Monitoring/ No Plates/ Reverse Driving); Object Detected Events (person and vehicle with attribute/ face)
		Smart Search: CCTV: Person (Hat, Top Clothing Color, Bottom Clothing Color), Vehicle (Vehicle Type), Face (Gender, Age, Mask, Cap, Glasses); LPR: Vehicle (Color, Vehicle Type, Brand, Speed, Direction), License Plate (Number, Color, Country, Plate Type)
	Event Action	Bookmark, Camera Output, Camera Recording, Do HTTP(S) Request, Execute PTZ Preset, Play Sound, etc.
Storage	Supported HDD	Up to 20TB per disk
	HDD Slot	SATA*2
Audio	Compression	G.711/AAC/G.722/G.726
	Audio Communication	2-way
Interface	Ethernet	2*1000Mbps Ethernet Port
	Display	2*HDMI Port, 1*DP Port
	Audio	1*BNC In, 1*BNC Out
	USB Interface	Rear panel: 2*USB 2.0, 2*USB 3.0, 1*USB-C Port
	Power Supply	AC 100-240V, 50-60Hz, DC 12V
General	Consumption	≤30W (without HDD)
	Working Humidity	10% to 90% RH (no freezing and no condensation)
	Weight & Dimension	2.2kg; 380mm(W) X 317.6mm(D) X 51.8mm(H)

OPENVISION SERIES

		Milesight OpenVision Server Mini	
	Model	SE0208-K/NX	SE0208-K/NX/A05
Device	Appearance		
System	Main Processor	Intel Quad Core @3.40 GHz Max	
	Memory	4GB LPDDR5	
	Operating System	Linux Ubuntu 24.04 LTS	
Storage	SSD Slot	2* M.2 M-Key SSD (Max 8TB, up to 4TB per disk)	
Audio	Compression	G.711/AAC/G.726	
	Audio Communication	2-way	
Performance	Inputs	Max. 8CH	
	Image & Video Resolution	12MP ~ CIF	
	Network Bandwidth	Max. 80Mbps Recording, Max. 160Mbps Outgoing	
	Video Compression	H.265, H.264, MJPEG	
	Storage Mode	Continuous, Motion, Events, Objects, Dual Stream	
	Edge Analytics	Analytics Events (Based on camera metadata): **CCTV** (Intrusion Detection/ Region Entrance/ Region Exit/ Advanced Motion Detection/ Line Crossing/ Loitering/ Object Left/Object Removed/ Object Counting/ Regional People Counting); **LPR** (Attribute Event/ Black List/ White List/ Visitor Event/ Speed Monitoring/ No Plates/ Reverse Driving); **Object Detected Events** (person and vehicle with attribute/ face)	
		Smart Search (Based on camera metadata): **CCTV:** Person (Hat, Top Clothing Color, Bottom Clothing Color),Vehicle (Vehicle Type), Face (Gender, Age, Mask, Cap, Glasses); **LPR:** Vehicle (Color, Vehicle Type, Brand, Speed, Direction),License Plate (Number, Color, Country, Plate Type)	
Application	NX Witness Server & Client	Support (Include Plug-in)	
	ONVIF Device	Support	
Web Management	Basic Event	Audio Alarm,Network Disconnected, IP Address ConflictSSD Full,SSD Uninitialized, SSD Error, No SSD	
	Maintenance	Firmware Upgrade, Auto Reboot	
Interface	Ethernet	1*2500Mbps RJ45 Ethernet Port, support PoE PD	
	Display	2* Micro HDMI Port	
	Alarm I/O	4/2	
	USB Interface	3*USB 3.0, 1*USB 2.0	
	Power Supply	PoE+ (802.3at) / DC 12V±15% (5525 DC power plug)	
General	Consumption	Typical: 6W (Without SSD, DC), 7W (Without SSD, POE) MAX: 16W (With SSD, DC), 18W (With SSD, POE)	
	Working Temperature	-20°C to 60°C	
	Weight & Dimension	1.3 kg; 135mm(W) X 140mm(D) X 40mm(H) (Without Mount)	
	Installation	VESA Mount	DIN Rail Mount, VESA Mount, Bracket Mount



AI PTZ CAMERA SERIES

		AI 12X PTZ Bullet Camera	
	Model	MS-C2961-X12R(T)PE(2MP)	MS-C5361-X12PE(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
	Shutter Time	1/100000s~1s	
	Focal Length	5.3~64mm, 12X Optical Zoom	
	IR Distance	Up to 140m	
	Digital Zoom	16X	
	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	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Patrol	8 Patrols, up to 48 presets each patrol	
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	30fps@(2592x1944)
	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,TLS 1.2, LLDP, VPN	
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port	
	Audio I/O	1/1 (Optional)	
	Alarm I/O	1/1 (Optional)	
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed	
	MSense	Attribute Extraction, Face Detection, Object Counting	
Event	Basic Event	Motion Detection, Tamper Detection, External Output (Optional), External Input (Optional), Audio Alarm (Optional), etc.	
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark	
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V/2A±10%	
	Protection	IP66	
	Weight	Approx. 2kg (Wall Mount) / 1.8kg (Pedestal Mount)	
	Dimensions	105mmX292mmX207mm (Wall Mount) / 218mmX120mmX172mm (Pedestal Mount)	

AI PTZ CAMERA SERIES

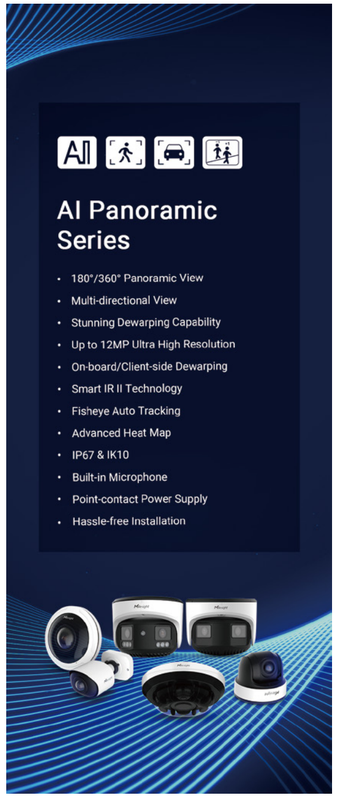
		AI 12X/20X/23X PTZ Bullet Plus Camera					
	Model	MS-C2967-X12R(T)PE(2MP)	MS-C2967-X23R(T)PE(2MP)	MS-C5367-X12PE(5MP)	MS-C5367-X23PE(5MP)	MS-C4467-X20RPE(4MP)	MS-C8267-X20PE(4K)
Camera	Appearance	 NDAA	 NDAA	 NDAA	 NDAA	 NDAA	 NDAA 4K
	Image Sensor	1/2.8" Progressive Scan CMOS				1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.5 B/W: 0Lux with IR on	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 (Super WDR Pro is optional for T Series)		120dB Super WDR			
	Shutter Time	1/100000s~1s					
	Lens	5.3~64mm, 12X Optical Zoom	5~117mm, 23X Optical Zoom	5.3~64mm, 12X Optical Zoom	5~117mm, 23X Optical Zoom	6.4~128mm, 20X Optical Zoom	
	IR Distance	Up to 180m					
	Digital Zoom	16X					
	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°~30°/s, Tilt Preset Speed: 30°/s					
	Proportional Zoom	Support					
	Preset Quantity	300					
	Patrol	8 Patrols, up to 48 presets each patrol					
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		30fps@(2592x1944)		60fps@(2688x1520)	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, TLS 1.2, LLDP, VPN					
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port					
	Audio I/O	1/1					
	Alarm I/O	1/1					
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed					
	MSense	Attribute Extraction, Face Detection, Object Counting					
Event	Basic Event	Motion Detection, Tamper Detection, External Output, External Input, Audio Alarm, etc.					
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark					
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, White LED, PTZ Motion, HTTP					
System	Storage	Support microSD / SDHC / SDXC Card Local Storage, up to 1TB					
	SIP / VoIP Support	Yes, Voice & Video-over-IP					
General	Working Temperature/Humidity	-40℃ ~ 60℃ / 0~90% (Non-condensing)					
	Power Supply	PoE (802.3at) / DC 12V/3A±10%					
	Protection	IP66					
	Dimensions / Weight	110mmX337mmX220mm / Approx. 2.9kg					

AI PTZ CAMERA SERIES

		AI 12X/20X/23X PTZ Dome Camera			
	Model	MS-C2971-X12R(T)PE(2MP)	MS-C2971-X23R(T)PE(2MP)	MS-C4471-X20RPE(4MP)	MS-C5371-X12PE(5MP)
Camera	Appearance	 NDAA	 NDAA	 NDAA	 NDAA
	Image Sensor	1/2.8" Progressive Scan CMOS	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: 0.005Lux@F1.5 B/W: 0Lux with IR on	Color: 0.002Lux@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
	Shutter Time	1/100000s~1s			
	Focal Length	5.3~64mm, 12X Optical Zoom	5~117mm, 23X Optical Zoom	6.4~128mm, 20X Optical Zoom	5.3~64mm, 12X Optical Zoom
	IR Distance	Up to 160m			
	Digital Zoom	16X			
	S/N	>55dB			
PTZ	Pan Range / Pan Speed	360° endless; Pan Manual Speed: 0.1°~ 350°/s, Pan Preset Speed: 350°/s			
	Tilt Range / Tilt Speed	-5° ~ 90° (Auto Flip); Tilt Manual Speed: 0.1°~ 360°/s, Tilt Preset Speed: 360°/s			
	Proportional Zoom	Support			
	Preset Quantity	300			
	Patrol	8 Patrols, up to 48 presets each patrol			
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		60fps@(2688x1520)	30fps@(2592x1944)
	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,TLS 1.2, LLDP, VPN			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting			
Event	Basic Event	Motion Detection, Tamper Detection, External Output, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	Temperature: -40℃ ~ 60℃ / Humidity: 0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V/3A±10%			
	Protection	IP66 / IK10			
	Dimensions / Weight	Φ183mmX174.8mm / Approx. 2.6kg			

		AI 25X/30X Speed Dome Camera			
	Model	MS-C2941- X25R(T)PE (2MP)	MS-C2941- X30R(T)PE /W (2MP)	MS-C5341-X25PE (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	
	Shutter Time	1/100000s~1s			
	Focal Length	4.8~120mm, 25X Optical Zoom	4.7~141mm, 30X Optical Zoom	4.8~120mm, 25X Optical Zoom	4.7~141mm, 30X Optical Zoom
	IR Distance	Up to 200m	Up to 200m Up to 300m(Wiper Version)	Up to 200m	Up to 200m Up to 300m(Wiper Version)
	Digital Zoom	16X			
	S/N	>55dB			
PTZ	Pan Range / Pan Speed	360° Endless / Manual Pan Speed: 0.1°~250°/s, Preset Pan Speed: 250°/s			
	Tilt Range / Tilt Speed	-5°~90° (Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Preset Tilt Speed: 160°/s			
	Proportional Zoom	Support			
	Preset Quantity	300			
	Patrol	8 Patrols, up to 48 presets each patrol			
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		30fps@(2592x1944)	
	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,TLS 1.2, LLDP, VPN			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	4/2			
	RS485	Support			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting			
Event	Basic Event	Motion Detection, Tamper Detection, External Output, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
System	Storage	Support microSD / SDHC / SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Wiper (Optional)	-	Support	-	Support
	Working Condition	Temperature: -40℃~60℃ / Humidity: 0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / AC 24V / DC 24V / 3A±10%			
	Protection	IP66, IK10 (Optional)			
	Dimensions / Weight	Φ205mmX308mm / Approx. 4Kg			

		AI 36X/42X Speed Dome Camera			
	Model	MS-C4441-X36RPE /W (4MP)	MS-C2941- X42R(T)PE /W (2MP)	MS-C5341-X42PE /W (5MP)	MS-C8241-X36PE /W (4K)
Camera	Appearance				
	Image Sensor	1/1.8" 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@F1.8 B/W: 0Lux with IR on	Color: 0.008Lux@F1.8 B/W: 0Lux with IR on	Color: 0.009Lux@F1.55 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR		
	Shutter Time	1/100000s~1s			
	Focal Length	5.7~205.3mm, 36X Optical Zoom	7~300mm, 42X Optical Zoom	7~300mm, 42X Optical Zoom	5.7~205.2mm, 36X Optical Zoom
	Digital Zoom	16X			
	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			
	Proportional Zoom	Support			
	Preset Quantity	300			
	Patrol	8 Patrols, up to 48 presets each patrol			
Video	Max. Image Resolution	60fps@(2688x1520)	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265 (HEVC)/H.264+/H.264/MJPEG			
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	4/2			
	RS485	Support			
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,TLS 1.2, LLDP, VPN			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting			
Event	Basic Event	Motion Detection, Tamper Detection, External Output, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
System	Storage	Support microSD / SDHC / SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Wiper (Optional)	–	Support	–	Support
	Working Condition	Temperature: -40℃~ 60℃ / Humidity: 0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / AC 24V/ DC 24V/ 3A±10%			
	Protection	IP66, IK10 (Optional)			
	Dimensions / Weight	Φ205mmX308mm / Approx. 4kg			

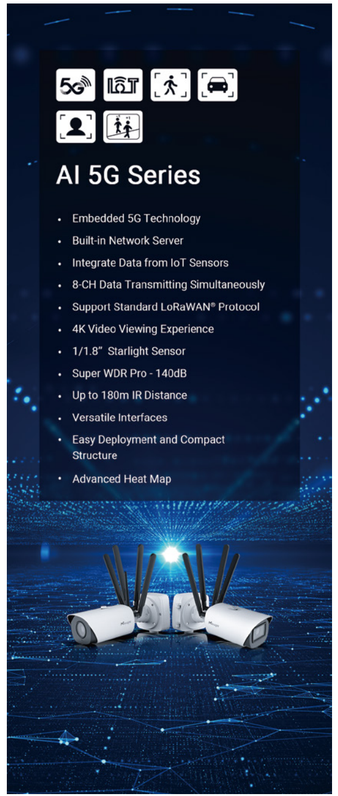


		4x5MP AI Multi-directional Camera	
	Model	MS-C5321-FPE (4x5MP)	
Camera	Appearance	 NDAA	
	Image Sensor	4x1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	Lens	Motorized 3mm ~ 9mm @ F1.6	
	Field of View	H92° ~ H40°/ D116° ~ D49°/ V67°~V30°	
	Shutter Time	1/100000s~1s	
	DORI Distance	D:64.1~150m / O:22.9~58.9m / R:9.6~28.5m / I:3.2~13.7m	
	IR Wave Length	850nm	
	IR Distance	Up to 30m	
	Aperture	F1.6-F2.7	
	Camera Angle Adjustment	Pan ±120°, Tilt +15° ~ +105°, Rotation ±90°, Twist ±30°	
	S/N	>55dB	
Video	Max. Image Resolution	30fps@(2592x1944)x4	
	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 / 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, TLS 1.2, VPN	
Wireless Network	WLAN	802.11n/802.11g (For Installation and Commissioning)	
Interface	Audio Compression	G.711/AAC/G.722/G.726	
	Interface	Audio I/O, Alarm I/O	
Intelligent Analytics	Video Analysis	Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	Target Classification	Human, Motor Vehicle (Car, Motorcycle, Bus, Truck), Non-motor Vehicle (E-scooter)	
System	Storage	Supports 2 microSD/SDHC/SDXC cards for local storage, each with a maximum capacity of 1TB	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Deblur, Watermark	
	Event Trigger	Motion Detection, External Input, Audio Alarm, External Output, 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 (802.3at) / DC 12V±10%	
	Power Consumption	DC Max. power consumption: 20W	POE Max. power consumption: 23W
	Housing	IP66 / IK10	
	Dimensions / Camera Weight	φ280mmX97mm, Approx. 3.1kg	

		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	 NDAA	 NDAA 4K	 NDAA	 NDAA 4K
	Image Sensor	1/2.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.008Lux@F2.0 B/W: 0Lux with IR on	Color: 0.012Lux@F2.0 B/W: 0Lux with IR on	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			
	DORI Distance	D: 37.5m O: 15m R: 7.5m I: 3.5m	D: 56.5m O: 22m R: 11m I: 5.5m	D: 37.5m O: 15m R: 7.5m I: 3.5m	D: 56.5m O: 22m R: 11m I: 5.5m
	IR Distance	Up to 15m			
	S/N	>55dB			
Video	Max. Image Resolution	30fps@(2592x1944)(Original), 30fps@(2560x1440)	25fps@(3840x2160)	30fps@(2592x1944)	25fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port			
	Audio Interface	Built-in Microphone			
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,TLS 1.2, LLDP, VPN			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Object Counting, Heat Map			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.			
System	Storage	Support microSD / SDHC / SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	Temperature: -40℃~60℃, Humidity: 0~95% (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Protection	IP67 / IK10			
	Dimensions / Weight	Φ127mmX107mm / Approx. 853g		95.8mmX74mmX158.5mm / Approx. 700g	

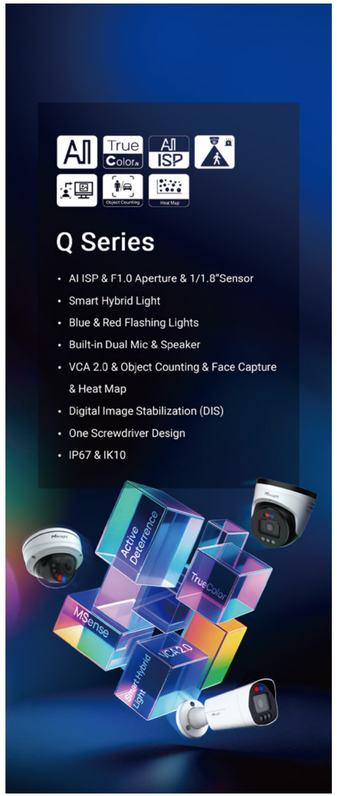
		AI 360° Panoramic Fisheye Camera	
	Model	MS-C8274-PA (4K)	MS-C9674-PA (12MP)
Camera	Appearance	 4K	 12MP
	Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.008Lux@F1.8 B/W: 0Lux with IR on	Color: 0.05Lux@F2.8 B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Lens	1.5mm@F1.8	1.98mm@F2.8
	Field of View	Ceiling Mount: 360°; Wall Mount: 180°; Flat Mount: 360°	
	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, VPN	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)	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 (Multi-interface Version)	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 TrueColor Dual-sensor 180° Panoramic Camera
	Model	MS-C8477-HPG1(8MP)
Camera	Appearance	 NDAA
	Image Sensor	Dual 1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.0005Lux@(F1.0, AGC ON), B/W: 0Lux with IR on
	WDR	140dB Super WDR
	Lens	4mm@F1.0
	Field of View	H180° / V50°
	Shutter Time	1/100000s~1s
	DORI Distance	Detect: 62.7m Observe: 24.7m Recognize: 12.3m Identify: 6.2m
	Light Type	4 x IR Lights, 2 x White Lights
	Light Distance	Up to 30m (IR Light), Up to 25m (White Light)
	S/N	>55dB
Video	Max. Image Resolution	30fps@(5120x1520)
	ePTZ Stream	60Hz: 30fps@(1920x1080), 50Hz: 25fps@(1920x1080)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Built-in Microphone	Support
	Audio Interface	1*Audio Out Interface
	Alarm I/O	1/1
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,TLS 1.2, LLDP, VPN
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	MSense	Object Counting, Heat Map
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark,etc.
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
System	Storage	Support Micro SD / SDHC / SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
General	Working Condition	Temperature: -40℃~60℃/Humidity: 0~95%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V / 2A±10%
	Protection	IP67 / IK10
	Dimensions / Weight	Φ160mmX128mm / Approx. 1.5kg



		5G AI 4X/12X Pro Bullet Plus Camera	
	Model	MS-C2966-X12R(T)GPE(2MP)	MS-C8266-X4GPE(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, 12X Optical Zoom	8~32mm, 4X Optical Zoom
	IR Distance	Up to 180m	
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series) 60fps@(1920x1080)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps (CBR/V BR 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, TLS 1.2, LLDP	
Mobile Communication Parameter	SIM Card	Nano SIM	
	Wireless Communication	Support 5G/4G/3G	
	Wireless Transmission Speed	SA: DL 2.4Gbps; UL 900Mbps, NSA: DL 3.4Gbps; UL 500Mbps, LTE: DL 1.6Gbps; UL 200Mbps	
Intelligent Analytics	Video Analysis	Intrusion Detection, 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; The attributes include Age, Gender, Glasses, Mask and Cap;	
	Object Counting & Report	Count the number of objects crossing the line, optionally human and vehicle, Support regional people counting for up to 4 detection areas	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Interface	Audio I/O, Alarm I/O	
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Condition	Temperature: -40℃~60℃, Humidity: 0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	9W MAX, 14W MAX (With IR on)	10W MAX, 16W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance (Only for camera body)	
	Dimensions / Weight	320mmX134mmX126mm/1608g 320mmX134mmX292mm (With Antennas) / 1608g	

		5G AI Motorized Pro Bullet Plus Network Camera	
	Model	MS-C2966-RF(I)GPE(2MP)	MS-C8266-F(I)GPE(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: 0.009Lux@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)	
	IR Distance	Up to 65m(2.7~13.5mm) Up to 100m(7~22mm)	Up to 65m
	Field of View	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)	H116°~H48°/D134°~D55°/V65°~V27°
Video	Max. Image Resolution	60fps@(1920x1080)	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, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2, LLDP	
Mobile Communication	SIM Card	Nano SIM	
	Wireless Communication	Support 5G/4G/3G	
	Wireless Transmission Speed	SA: DL 2.4Gbps; UL 900Mbps, NSA: DL 3.4Gbps; UL 550Mbps,LTE: DL 1.6Gbps; UL 200Mbps	
Intelligent Analytics	Video Analysis	Intrusion Detection, 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; The attributes include Age, Gender, Glasses, Mask and Cap.	
	Object Counting & Report	Count the number of objects crossing the line, optionally human and vehicle. Support regional people counting for up to 4 detection areas	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Interface	Audio I/O, Alarm I/O	
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	Snapshot, Play Audio, FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Condition	Temperature: -40℃~60℃, Humidity: 0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	9W MAX, 14W MAX (With IR on)	10W MAX, 16W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance (Only for camera body)	
	Dimensions / Weight	320mmX134mmX126mm 320mmX134mmX208mm (With Antennas), 1650g	



Q SERIES

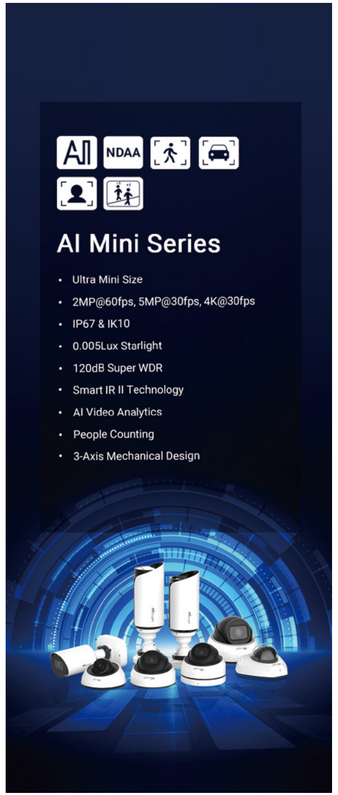
		AI TrueColor Turret Camera			
	Model	MS-CQ5431-HYPG1(5MP)	MS-CQ8131-HYPG1(8MP)	MS-CQ4431-HYPG1(4MP)	MS-CQ8231-HYPG1(8MP)
Camera	Appearance				
	Image Sensor	1/2.65" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	
	Min. Illumination	0.003 lux@F1.0 (Color, 30 IRE), 0 lux (Illuminator on)	0.004 lux@F1.0 (Color, 30 IRE) 0 lux (Illuminator on)	0.0008 Lux@F1.0 (Color, 30IRE), 0 lux (Illuminator on)	
	WDR	120dB Super WDR			
Illuminator	Illuminator Type	3 x Smart Hybrid Lights (Mixed IR and White Warm Lights)			
	Illumination Distance	Up to 40m (IR Light), Up to 30m (White Warm Light)			
	Red and Blue Flashing Lights	1 x Red Light and 1 x Blue Light			
Lens	Lens	2.8mm, 4mm			
	Field of View	2.8mm: H:111° V:58.5° D:136°, 4mm: H:92° V:50° D:108.5°		2.8mm: H:112° V:61.5° D:137°, 4mm: H:93° V:49.5° D:111.5°	
Video	Max. Image Resolution	2960x1664	3840x2160	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
Image	AI ISP	NA		Support	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)			
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AWB, Defog, AGC, LDC, Anti-flicker, Deblur,Image Rotation, etc.			
Audio	Built-in Microphone	Yes, Dual Microphone			
	Built-in Speaker	Yes, max.sound pressure level: 10cm: 95dB			
Interface	External	NA		1x Alarm In/Out, 1 x Audio In/Out	
	Power Supply	PoE (802.3af) / DC 12V±25%			
Network	Ethernet	1 x 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, LLDP, VPN, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Object Counting, Heat Map, Face Capture			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃ ~ 60℃ / 0~95% RH (Non-condensing)			
	Weight/Dimensions	Φ122mm X 108mm / Net Weight: Approx. 0.9kg / Gross Weight: Approx. 1.1kg			
	Protection	IP67, IK10			

Q SERIES

		AI TrueColor Bullet Camera			
	Model	MS-CQ5468-HYPG1(5MP)	MS-CQ8168-HYPG1(8MP)	MS-CQ4468-HYPG1(4MP)	MS-CQ8268-HYPG1(8MP)
Camera	Appearance				
	Image Sensor	1/2.65" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	
	Min. Illumination	0.003 lux@F1.0 (Color, 30 IRE), 0 lux (Illuminator on)	0.004 lux@F1.0 (Color, 30 IRE) 0 lux (Illuminator on)	0.0008 Lux@F1.0 (Color, 30IRE), 0 lux (Illuminator on)	
	WDR	120dB Super WDR			
Illuminator	Illuminator Type	3 x Smart Hybrid Lights (Mixed IR and White Warm Lights)			
	Illumination Distance	Up to 40m (IR Light), Up to 30m (White Warm Light)			
	Red and Blue Flashing Lights	1 x Red Light and 1 x Blue Light			
Lens	Lens	2.8mm, 4mm			
	Field of View	2.8mm: H:111° V:58.5° D:136°, 4mm: H:92° V:50° D:108.5°		2.8mm: H:112° V:61.5° D:137°, 4mm: H:93° V:49.5° D:111.5°	
Video	Max. Image Resolution	2960x1664	3840x2160	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
Image	AI ISP	NA		Support	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)			
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AWB, Defog, AGC, LDC, Anti-flicker, Deblur,Image Rotation, etc.			
Audio	Built-in Microphone	Yes, Dual Microphone			
	Built-in Speaker	Yes, max.sound pressure level: 10cm: 95dB			
Interface	External	NA		1x Alarm In/Out, 1 x Audio In/Out	
	Power Supply	PoE (802.3af) / DC 12V±25%			
Network	Ethernet	1 x 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, LLDP, VPN, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Object Counting, Heat Map, Face Capture			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃ ~ 60℃ / 0~95% RH (Non-condensing)			
	Weight/Dimensions	Φ85mm X 205mm / Net Weight: Approx. 0.9kg / Gross Weight: Approx. 1.0kg			
	Protection	IP67, IK10			

Q SERIES

		AI TrueColor Dome Camera			
	Model	MS-CQ5472-HPG1(5MP)	MS-CQ8272-HPG1(8MP)	MS-CQ4472-HPG1(4MP)	MS-CQ8272-HPG1(8MP)
Camera	Appearance				
	Image Sensor	1/2.65" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	
	Min. Illumination	0.003 lux@F1.0 (Color, 30 IRE), 0 lux (Illuminator on)	0.004 lux@F1.0 (Color, 30 IRE) 0 lux (Illuminator on)	0.0008 Lux@F1.0 (Color, 30IRE), 0 lux (Illuminator on)	
	WDR	120dB Super WDR			
Illuminator	Illuminator Type	6 x Smart Hybrid Lights (Mixed IR and White Warm Lights)			
	Illumination Distance	Up to 40m (IR Light), Up to 30m (White Warm Light)			
	Red and Blue Flashing Lights	1 x Red Light and 1 x Blue Light			
Lens	Lens	2.8mm, 4mm			
	Field of View	2.8mm: H:111° V:58.5° D:136°, 4mm: H:92° V:50° D:108.5°		2.8mm: H:112° V:61.5° D:137° 4mm: H:93° V:49.5° D:111.5°	
Video	Max. Image Resolution	2960x1664	3840x2160	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
Image	AI ISP	NA		Support	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)			
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AWB, Defog, AGC, LDC, Anti-flicker, Deblur,Image Rotation, etc.			
Interface	Built-in Microphone	Yes, Single Microphone			
	External	NA		1x Alarm In/Out, 1 x Audio In/Out	
	Power Supply	PoE (802.3af) / DC 12V±25%			
Network	Ethernet	1 x 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, LLDP, VPN, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Object Counting, Heat Map, Face Capture			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃ ~ 60℃ / 0~95% RH (Non-condensing)			
	Weight/Dimensions	Φ143mm X 108.4mm / Net Weight: Approx. 1.0kg / Gross Weight: Approx. 1.3kg			
	Protection	IP67, IK10			



AI MINI CAMERA SERIES

		AI IR Mini Dome Camera			
	Model	MS-C2983-(R)PD(2MP)	MS-C4583-PD(4MP)	MS-C5383-PD(5MP)	MS-C8183-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)	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@(2688x1520)	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, RTMP, 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	People Counting, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
System	Storage	NAS(Support NFS, SMB/CIFS); Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	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℃/0~90%(Non-condensing)			
	Power Supply	PoE (802.3af)			
	Housing	N/A			
	Dimensions / Weight	Φ97.8mmX57.9mm / Approx. 200g			

AI MINI CAMERA SERIES

		AI Vandal-proof Mini Dome Camera			
	Model	MS-C2973-(R)PD(2MP)	MS-C4573-PD(4MP)	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@(2688x1520)	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, RTMP, 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	People Counting, 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 Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	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 / Approx. 500g			

AI MINI CAMERA SERIES

		AI Weather-proof Mini Dome Camera			
	Model	MS-C2975-(R)PD(2MP)	MS-C4575-PD(4MP)	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@(2688x1520)	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, RTMP, 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	People Counting, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
System	Storage	NAS(Support NFS, SMB/CIFS); Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	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/Approx. 600g (Junction Box Version); Φ106mmX76.5mm/Approx. 410g (Cable Out Version)			

AI MINI CAMERA SERIES

		AI Motorized Dome Camera			
	Model	MS-C2975-RFPD(2MP)	MS-C4575-FPD(4MP)	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	H97°~H31°/D113°~D36°/ V53°~V18°(2.7~13.5mm)	H99°~H31°/D124°~D38°/ V72°~V23°(2.7~13.5mm)	H94°~H31°/D120°~D38°/ V68°~V23°(2.7~13.5mm)	H110°~H29°/D129°~D33°/59°~V16
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 50m			
	S/N	>55dB			
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2688x1520)	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, RTMP, 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	People Counting, 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 Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	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 / Approx. 780g			

AI MINI CAMERA SERIES

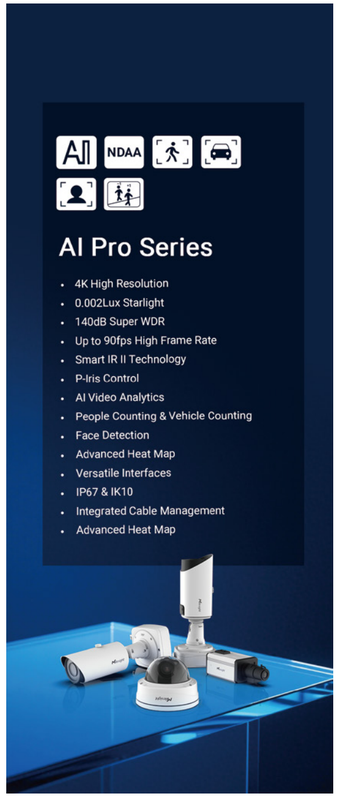
		AI Vandal-proof Mini Bullet Camera			
	Model	MS-C2964-(R)PD(2MP)	MS-C4564-PD(4MP)	MS-C5364-PD(5MP)	MS-C8164-PD(4K)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on		Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 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@(2688x1520)	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, RTMP, 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	People Counting, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
System	Storage	NAS(Support NFS, SMB/CIFS); Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	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 / Approx. 610g(Junction Box Version); 64mmX64mmX160mm / Approx. 450g(Cable Out Version)			

AI MINI CAMERA SERIES

		AI Weather-proof Mini Bullet Camera		
	Model	MS-C2963-RPE(2MP)	MS-C5363-PE(5MP)	MS-C8163-PE(4K)
Camera	Appearance	 NDAA	 NDAA	 NDAA 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	140dB Super 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, RTMP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, VPN		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Intrusion Detection, 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; Support Faces Privacy Mode, the detected faces in the face detection area will be mosaicked automatically.		
	Object Counting & Report	Count the number of line-crossing objects, optionally human and vehicle. Support regional people counting for up to 4 detection areas		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB		
	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, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	Snapshot, Play Audio, 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		
	Dimensions / Weight	Φ76mmX214.5mm / Approx. 750g		

AI MINI CAMERA SERIES

		AI Motorized Bullet Camera		
	Model	MS-C2964-RF(I)PE(2MP)	MS-C5364-F(I)PE(5MP)	MS-C8164-F(I)PE(4K)
Camera	Appearance	 NDAA	 NDAA	 NDAA 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	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	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, RTMP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, VPN		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Intrusion Detection, 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; Support Faces Privacy Mode, the detected faces in the face detection area will be mosaicked automatically.		
	Object Counting & Report	Count the number of line-crossing objects, optionally human and vehicle. Support regional people counting for up to 4 detection areas		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB		
	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, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	Snapshot, Play Audio, 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 / Approx. 825g		



AI PRO CAMERA SERIES

		AI Motorized Pro Dome Camera	
	Model	MS-C2972-R(T)F(I)PE(2MP)	MS-C4472-RF(I)PE(4MP)
Camera	Appearance	 NDAA	 NDAA
	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: 0.002Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR	
	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
	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris (Optional)	Motorized 3.6~10mm@F1.4
	S/N	>55dB	
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	60fps@(2688x1520)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)	
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,TLS 1.2, LLDP, VPN	
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port	
	Audio I/O	Built-in Microphone and 1 Audio Output Interface	
	Alarm I/O	1/1	
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, External Output, Line Crossing, Loitering, Object Left, Object Removed	
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map	
Event	Basic Event	Motion Detection, Tamper Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark	
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.	
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP / VoIP Support	Yes, Voice & Video-over-IP	
General	Working Temperature /Humidity	-40℃~60℃ / 0~95% (Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Protection	IP67 / IK10	
	Dimensions/Weight	Φ143mmX108.4mm / Approx. 1100g	

AI PRO CAMERA SERIES

		AI Motorized Pro Dome Camera			
	Model	MS-C5372-F(I)PE(5MP)	MS-C6772-F(I)PE(6MP)	MS-C8172-F(I)PE(4K)	MS-C8272-F(I)PE(4K)
Camera	Appearance	 NDAA	 NDAA	 NDAA	 NDAA
	Image Sensor	1/2.8" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS	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: 0.005Lux@F1.6 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			
	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		
	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)	Motorized 2.7~13.5mm@F1.6 P-Iris(Optional)	Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
	S/N	>55dB			
Video	Max. Image Resolution	30fps@(2592x1944)	30fps@(3200x1800)	30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
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,TLS 1.2, LLDP, VPN			
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port			
	Audio I/O	Built-in Microphone and 1 Audio Output interface			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map			
Event	Basic Event	Motion Detection, Tamper Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Temperature /Humidity	-40℃~60℃ / 0~95% (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Protection	IP67 / IK10			
	Dimensions/Weight	Φ143mmX108.4mm / Approx. 1100g			

		AI Motorized Pro Dome Network Camera			
	Model	MS-C2972-RFPG1 (2MP)	MS-C2972-RFIPG1 (2MP)	MS-C5372-RFPG1 (5MP)	MS-C5372-RFIPG1 (5MP)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.003Lux@F1.4, B/W: 0Lux with IR on	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on	Color: 0.006Lux@F1.4, B/W: 0Lux with IR on	Color: 0.004Lux@F1.2, B/W: 0Lux with IR on
	WDR	140dB Super WDR		120dB Super WDR	
	Lens	Motorized 2.7mm~13.5mm			
	Shutter Time	1/100000s~1s			
Illuminator	Illuminator Number	3			
	IR Wave Length	850nm			
	IR Distance	Up to 50m	Up to 55m	Up to 50m	
Video	Max. Image Resolution	1920 x 1080		2592 x 1944	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)			
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	Built-in Microphone and 1 Audio Output interface			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection, Sound Classification			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.			
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.			
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 10V~DC 28V			
	Protection	IP67, IK10			
	Weight	Dimensions: Φ143mm X 108.4mm, Net Weight: Approx. 1.3kg / Gross Weight: Approx. 1.6kg			

AI PRO CAMERA SERIES

		AI Motorized Pro Dome Network Camera			
	Model	MS-C8172-RFPG1 (8MP)	MS-C8172-RFIPG1 (8MP)	MS-C4472-RFIPG1 (4MP)	MS-C8172-RFIPG1 (8MP)
Camera	Appearance				
	Image Sensor	1/1.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.009Lux@F1.4, B/W: 0Lux with IR on	Color: 0.006Lux@F1.2, B/W: 0Lux with IR on	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on	Color: 0.0008Lux@F1.2, B/W: 0Lux with IR on
	WDR	120dB Super WDR		140dB Super WDR	120dB Super WDR
	Lens	Motorized 2.7mm~13.5mm		Motorized 2.8mm~12mm	
	Shutter Time	1/100000s~1s			
Illuminator	Illuminator Number	3			
	IR Wave Length	850nm			
	IR Distance	Up to 50m		Up to 60m	
Video	Max. Image Resolution	3840x2160		2688 x 1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)			
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	Built-in Microphone and 1 Audio Output interface			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection, Sound Classification			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.			
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.			
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 10V~DC 28V			
	Protection	IP67, IK10			
	Weight	Dimensions: Φ143mm X 108.4mm, Net Weight: Approx. 1.3kg / Gross Weight: Approx. 1.6kg			

AI PRO CAMERA SERIES

		AI Motorized Pro Bullet Camera			
	Model	MS-C2962-R(T)F(I)PE(2MP)	MS-C5362-F(I)PE(5MP)	MS-C6762-F(I)PE(6MP)	MS-C8162-F(I)PE(4K)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS		1/2.4" Progressive Scan CMOS	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@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR		
	Shutter Time	1/100000s~1s			
	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4, P-Iris(Optional)		Motorized 2.7-13.5mm@F1.6, P-Iris(Optional)	Motorized 2.7~13.5mm@F1.4, P-Iris(Optional)
	IR Distance	Up to 60m(3.0~10.5mm/2.7~13.5mm), Up to 100m(7~22mm)		Up to 60m	
	S/N	>55dB			
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3200x1800)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps ~16Mbps (CBR/VBR Adjustable)			
Image	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)			
	ROI	Up to 8 areas			
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, TLS 1.2, LLDP, VPN			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map			
Event	Basic Event	Motion Detection, Tamper Detection,Network Disconnection, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD / SDHC / SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Temperature / Humidity	-40℃ ~ 60℃ / 0~95% (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Protection	IP67			
	Dimensions / Weight	134mmX126mmX285mm / Approx. 1080g			

AI PRO CAMERA SERIES

		AI Motorized Pro Bullet Network Camera			
	Model	MS-C2962-RFPG1(2MP)	MS-C2962-RFIPG1(2MP)	MS-C5362-RFPG1(5MP)	MS-C5362-RFIPG1(5MP)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.003Lux@F1.4, B/W: 0Lux with IR on	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on	Color: 0.006Lux@F1.4, B/W: 0Lux with IR on	Color: 0.004Lux@F1.2, B/W: 0Lux with IR on
	WDR	140dB Super WDR		120dB Super WDR	
	Lens	Motorized 2.7mm~13.5mm			
	Shutter Time	1/100000s~1s			
Illuminator	Illuminator Number	4			
	IR Wave Length	850nm			
	IR Distance	Up to 60m	Up to 65m	Up to 60m	
Video	Max. Image Resolution	1920 x 1080		2592 x 1944	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)			
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.			
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.			
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 10V~DC 28V			
	Protection	IP67			
	Weight	Dimensions: 134mm X 126mm X 285mm, Net Weight: Approx. 1.3kg / Gross Weight: Approx. 2.1kg			

AI PRO CAMERA SERIES

		AI Motorized Pro Bullet Network Camera			
	Model	MS-C8162-RFPG1(8MP)	MS-C8162-RFIPG1(8MP)	MS-C4462-RFIPG1(4MP)	MS-C8262-RFIPG1(8MP)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS			
	Min. Illumination	Color: 0.009Lux@F1.4, B/W: 0Lux with IR on	Color: 0.006Lux@F1.2, B/W: 0Lux with IR on	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on	Color: 0.0008Lux@F1.2, B/W: 0Lux with IR on
	WDR	120dB Super WDR		140dB Super WDR	120dB Super WDR
	Lens	Motorized 2.7mm~13.5mm		Motorized 2.8mm~12mm	
	Shutter Time	1/100000s~1s			
Illuminator	Illuminator Number	4			
	IR Wave Length	850nm			
	IR Distance	Up to 60m		Up to 70m	
Video	Max. Image Resolution	3840x2160			
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)			
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output, etc.			
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.			
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP/VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 10V~DC 28V			
	Protection	IP67			
	Weight	Dimensions: 134mm X 126mm X 285mm, Net Weight: Approx. 1.3kg / Gross Weight: Approx. 2.1kg			

AI PRO CAMERA SERIES

		AI Motorized Pro Bullet Plus Camera					
	Model	MS-C2966-R(T)F(I)PE (2MP)	MS-C4466-RF(I)PE (4MP)	MS-C5366-F(I)PE (5MP)	MS-C6766-F(I)PE (6MP)	MS-C8166-F(I)PE (4K)	MS-C8266-F(I)PE (4K)
Camera	Appearance						
	Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.4" Progressive Scan CMOS	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: 0.002Lux@F1.4, B/W: 0Lux with IR on	Color: 0.008Lux@F1.4, B/W: 0Lux with IR on	Color: 0.005Lux@F1.6, 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			
	Shutter Time	1/100000s~1s					
	Lens	Motorized 2.7~13.5mm/ 3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)	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@F1.6 P-Iris(Optional)	Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
	IR Distance	Up to 65m (3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)	Up to 65m	Up to 65m (3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)	Up to 65m(2.7~13.5mm)	Up to 65m	
	S/N	>55dB					
Video	Max. Image Resolution	90fps@(1920x1080) (Optional for T Series), 60fps@(1920x1080)	60fps@(2688x1520)	30fps@(2592x1944)	30fps@(3200x1800)	30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG					
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)					
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,TLS 1.2, LLDP, VPN					
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port					
	Audio I/O	1/1					
	Alarm I/O	1/1					
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection,Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed					
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map					
Event	Basic Event	Motion Detection, Tamper Detection, External Output, External Input, Audio Alarm, etc.					
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark					
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.					
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB					
	SIP / VoIP Support	Yes, Voice & Video-over-IP					
General	Working Temperature / Humidity	-40℃~60℃ / 0~95% (Non-condensing)					
	Power Supply	PoE (802.3af) / DC 12V±10%					
	Protection	IP67, IK10					
	Dimensions / Weight	301mmX108mmX126mm/Approx. 1630g					

AI PRO CAMERA SERIES

		AI Motorized Pro Bullet Plus Network Camera					
	Model	MS-C2966-RFPG1 (2MP)	MS-C2966-RFIPG1 (2MP)	MS-C5366-RFPG1 (5MP)	MS-C5366-RIFPG1 (5MP)	MS-C4466-RFIPG1 (4MP)	MS-C8266-RFIPG1 (4K)
Camera	Appearance						
	Image Sensor	1/2.8" Progressive Scan CMOS				1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.003Lux@F1.4 B/W: 0Lux with IR on	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.006Lux@F1.4 B/W: 0Lux with IR on	Color: 0.004Lux@F1.2 B/W: 0Lux with IR on	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on	Color: 0.0008Lux@F1.2 B/W: 0Lux with IR on
	WDR	140dB Super WDR		120dB Super WDR		140dB Super WDR	120dB Super WDR
	Lens	Motorized 2.7mm~13.5mm				Motorized 2.8mm~12mm	
	Shutter Time	1/100000s~1s					
Illuminator	Illuminator Number	6					
	IR Wave Length	850nm					
	IR Distance	Up to 70m	Up to 80m	Up to 65m	Up to 70m	Up to 80m	
Video	Max. Image Resolution	1920 x 1080		2592 x 1944		2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG					
	Video Bit Rate	16Kbps ~16Mbps (CBR/VBR Adjustable)					
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR					
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2					
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port					
	Audio I/O	1/1					
	Alarm I/O	2/2 (Alarm Output 2: Wet Contact, 10mA 12V DC)					
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed					
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection					
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output etc.					
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.					
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.					
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB					
	SIP/VoIP Support	Yes, Voice & Video-over-IP					
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)					
	Power Supply	PoE+ (802.3at) / DC 10V ~ DC 28V					
	Protection	IP67, IK10					
	Weight	Dimensions: 320mm X 134mm X 126mm, Net Weight: Approx. 1.6kg / Gross Weight: Approx. 2.4kg					

AI PRO CAMERA SERIES

		AI 4X/12X Pro Bullet Plus Camera			
	Model	MS-C2966-X12R(T)PE(2MP)	MS-C4466-X4RPE(4MP)	MS-C5366-X12PE(5MP)	MS-C8266-X4PE(4K)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	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: 0.002Lux@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	
	Shutter Time	1/100000s~1s			
	Lens	5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom
	IR Distance	Up to 180m			
	Day/Night Mode	Day/Night/Auto/Customize/Schedule			
	S/N	>55dB			
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	60fps@(2688x1520)	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	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Audio	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map			
Event	Basic Event	Motion Detection, Tamper Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Temperature / Humidity	-40℃~ 60℃ / 0~95% (Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V±10%			
	Protection	IP67 / IK10			
	Dimensions / Weight	320mmX134mmX126mm / 1447g	320mmX134mmX126mm / 1445.8g	320mmX134mmX126mm / 1447g	320mmX134mmX126mm / 1445.8g

		AI 4X/12X Pro Bullet Plus Camera			
	Model	MS-C2966-X12RIPG1 (2MP)	MS-C5366-X12RIPG1 (5MP)	MS-C4466-X4RIPG1 (4MP)	MS-C8266-X4RIPG1 (8MP)
Camera	Appearance				
	Image Sensor	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.004Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.001Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR	140dB Super WDR	120dB Super WDR
	Shutter Time	1/100000s~1s			
	Lens	5~60mm, 12X Optical Zoom		8~32mm, 4X Optical Zoom	
	Illuminator Number	6			
	IR Wave Length	850nm			
	IR Distance	Up to 180m			
Video	Max. Image Resolution	1920 x 1080	2592 x 1944	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)			
Network	Network Storage	NAS (Support NFS, SMB/CIFS), ANR			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2			
Audio	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	2/2 (Alarm Output 2: Wet Contact, 10mA 12V DC)			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map, Hard Hat Detection, Privacy Protection, Fall Detection, Violence Detection			
Event	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output etc.			
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.			
	Event Action	FTP Upload Record, Snapshot, SMTP Upload Record, SD Card Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Condition	-40℃~60℃ / 0~95% RH (Non-condensing)			
	Power Supply	PoE+ (802.3at) / DC 10V ~ DC 28V			
	Protection	IP67, IK10			
	Weight	Dimensions: 320mm X 134mm X 126mm, Net Weight: Approx. 1.6kg / Gross Weight: Approx. 2.4kg			

		AI Pro Box Plus Camera			
	Model	MS-C2952-R(E)PE(2MP)	MS-C4452-R(E)PE(4MP)	MS-C5352-PE(5MP)	MS-C8152-PE(4K)
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: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@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)	60fps@(2688x1520)	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	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,TLS 1.2, LLDP, VPN			
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port			
	Audio I/O	1/1			
	Alarm I/O	1/1			
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed			
	MSense	Attribute Extraction, Face Detection, Object Counting, Heat Map			
Event	Basic Event	Motion Detection, Tamper Detection, Network Disconnection, Audio Alarm, External Input, etc.			
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, Watermark			
	Event Action	FTP Upload, Snapshot, SMTP Upload, SD Card Record, Play Audio, SIP Phone, HTTP Notification, etc.			
System	Auto Back Focus	Support (Optional)			
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB			
	SIP / VoIP Support	Yes, Voice & Video-over-IP			
General	Working Temperature / Humidity	-40℃~60℃ / 0~95% (Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Weight	130mmX75mmX66mm / Approx. 427g(For ABF version) / Approx. 366g(For Non-ABF version)			

Intelligent Traffic Series

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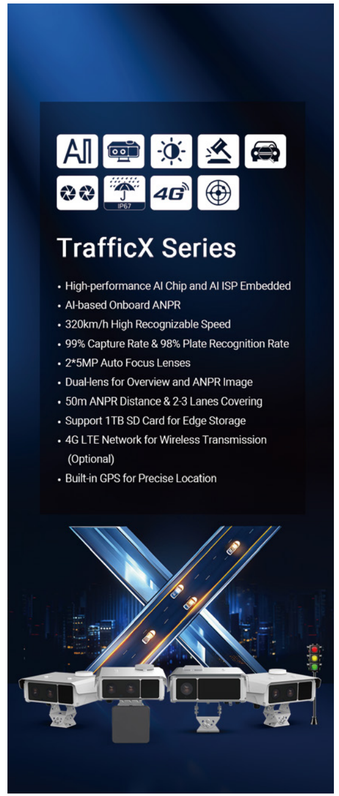
TrafficX Series

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TrafficC Series

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Parking Management

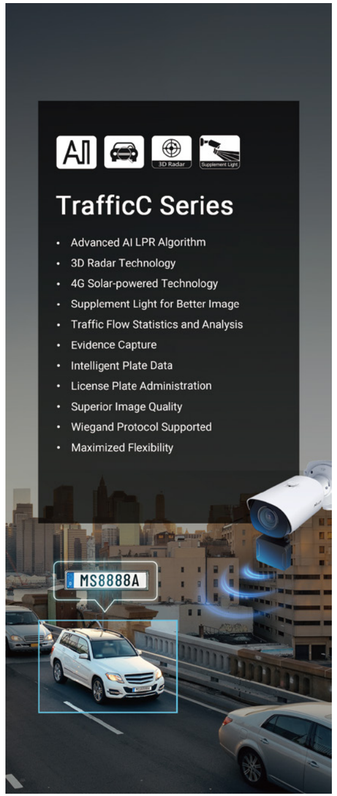


TRAFFIC X SERIES

			DualVision TrafficX Camera	DualVision TrafficX Enforcement Camera
	Model		TS5510-GH(5MP*2)	TS5511-GH(5MP*2)
Camera	Appearance			
	Image Sensor		Color, 2/3" Global Shutter	
	Min. Illumination		Color: 0.001 Lux@(F1.4, AGC ON)	
	Supplement Light	IR	IR Strobe Light (16 light beads)	
		IR Distance	60m	
		IR Wave Length	850nm (Default), 740nm (Optional)	
Road Traffic Management	Max. ANPR Range		Up to 50m	
	Max. Vehicle Speed		250km/h	
	Coverage		Recommended for 2~3 lanes	
	Capture Rate		Up to 99%	
	Recognition Accuracy		Up to 98%	
	Attributes Identification		Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Violation Management		Reverse Driving, Vehicle Attributes Event Detection	Red Light Running, Cross Line at Red Light, Reverse Driving, Vehicle Attributes Event Detection
	White/Black List		Up to 2000 records inside the camera	
Interface	Ethernet		1*RJ45 10M/100M/1000M Ethernet Port	
	RS485		Support	
	Input		4 * Optoisolated Input	
	Output		2 * Strobe Output; 1 * Relay Output	
Lens	Lens		15-50mm, Motorized zoom and focus	
	Field of View		horizontal FOV 41.4° to 10.3°, vertical FOV 26.8° to 8.42°, diagonal FOV 32° to 13.3°	
Video	Max. Resolution		2464x2056	
	Max. FPS		30fps	
	Video Compression		H.265/H.264/MJPEG	
Wireless Network (Optional)	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		Nano SIM	
System	System Compatibility		API, HTTP, TCP, MQTT, ONVIF Profile G&S&T	
	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
General	GPS		Built-in High-accuracy GPS Module	
	Power Consumption		22W MAX, 26W MAX (With IR on)	
	Weather Proof		Up to IP67-rated for Weather-resistant Performance	
	Power Supply		24 V DC / AC	
	Weight		4.3kg	
	Dimensions		121mmx295mmx245mm (Without Mounting Bracket)	

			DualVision TrafficX Radar Camera
	Model		TS5510-GVH (5MP*2)
Camera	Appearance		
	Image Sensor		Color, 2/3" Global Shutter
	Min. Illumination		Color: 0.001 Lux@(F1.4, AGC ON)
	Supplement Light	IR	IR Strobe Light (9 light beads @ 850nm, 16 light beads @ 740nm)
		IR Distance	60m
		IR Wave Length	850nm (Default), 740nm (Optional)
Road Traffic Management	Max. ANPR Range		Up to 50m
	Max. Vehicle Speed		320km/h
	Coverage		Recommended for 2~3 lanes
	Capture Rate		Up to 99%
	Recognition Accuracy		Up to 98%
	Attributes Identification		Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed Detection
	Violation Management		Reverse Driving, Speed Monitoring, Vehicle Attributes Event Detection
	White/Black List		Up to 20,000 records inside the camera
Interface	Ethernet		1*RJ45 10M/100M/1000M Ethernet Port
	RS485		Support
	Input		4 * Optoisolated Input
	Output		2 * Strobe Output; 1 * Relay Output
Lens	Lens		15-50mm, Motorized zoom and focus
	Field of View		horizontal FOV 41.4° to 10.3°, vertical FOV 26.8° to 8.42°, diagonal FOV 32° to 13.3°
Video	Max. Resolution		2464x2056
	Max. FPS		30fps
	Video Compression		H.265/H.264/MJPEG
Radar	Capture Rate		>99% (Traffic jam >95%)
	Lane Coverage		2~3 Lanes (Recognition ≥95% individually)
	Tracking Target		Up to 32
	Housing		Up to IP67-rated for weather-resistant performance
Wireless Network (Optional)	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		Nano SIM
System	System Compatibility		API, HTTP, TCP, MQTT, ONVIF Profile G & S & T
	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
General	GPS		Built-in High-accuracy GPS Module
	Power Consumption		Min.: 14.4W / Max.: 21.2W
	Weather Proof		Up to IP67-rated for Weather-resistant Performance
	Power Supply		24 V DC/AC
	Weight		5.6Kg / 8.4Kg (with Package)
	Dimensions		282.7mmx295mmx276.5mm (with Radar Unit)
	Warranty		3 Years

			SingleVision TrafficX Camera
	Model		TS5020-GIE (5MP*1)
Camera	Appearance		
	Image Sensor		Color, 2/3" Global Shutter
	Min. Illumination		Color: 0.001 Lux@F1.4
	Supplement Light	IR	IR Strobe Light (15 light beads @ 850nm, 15 light beads @ 740nm)
		IR Distance	60m
		IR Wave Length	850nm (Default), 740nm (Optional)
Road Traffic Management	Max. ANPR Range		Up to 50m
	Max. Vehicle Speed		250 km/h
	Coverage		Recommended for 2~3 lanes
	Capture Rate		Up to 99%
	Recognition Accuracy		Up to 98%
	Attributes Identification		Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand
	Violation Management		Reverse Driving, No-plate Vehicle Capture, Vehicle Attributes Event Detection
	White/Black List		Up to 20,000 records inside the camera
Interface	Ethernet		1 * RJ45 10/100/1000 Mbps Ethernet Port
	RS485		2 * RS485 ports, baud rate up to 115200 bps
	Power Output		1 * DC 12V Output
	Alarm Input		4 * Opto-isolated Digital Inputs
	Alarm Output		1 * Relay Output
	Strobe Output		2 * Strobe Output
	STNC IN		1 * AC 24V Synchronization Input
Lens	Lens		15-50mm, Motorized zoom and focus
	Field of View		horizontal FOV 41.4° to 10.3°, vertical FOV 26.8° to 8.42°, diagonal FOV 32° to 13.3°
Video	Max. Resolution		2448x2048
	Max. FPS		60fps
	Video Compression		H.265/H.264/MJPEG
Wireless Network (Optional)	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		Nano SIM
System	System Compatibility		API, HTTP, TCP, MQTT, ONVIF Profile G & M & S & T
	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
General	GPS		Built-in High-accuracy GPS Module
	Working Temperature		-40°C ~ 70°C
	Working Humidity		0~95% (Non-condensing)
	Power Consumption		Min.: 6.7W / Max.: 26.0W
	Power Supply		24 V DC/ 24 V AC
	Warranty		3 Years



		AI Road Traffic Pro Bullet Plus Camera		
	Model	TS4466-X4RIPG1 (4MP)	TS5366-X12RIPG1 (5MP)	TS8266-X4RIPG1 (4K)
Camera	Appearance	 NDAA	 NDAA	 NDAA
	Image Sensor	1/1.8" Progressive Scan CMOS	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: 0.008Lux@F1.6 , B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 , B/W: 0Lux with IR on
	WDR	Support	-	
	IR Wave Length	850nm	850nm (Default); 740nm (Optional)	850nm
	Illumination Distance	Up to 50m	Up to 70m	Up to 60m
Lens	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°	H57°~H4°/D69°~D5°/V44°~V1°	H44°~H13°/D51°~D15°/V25°~V7°
	Aperture	F1.6~F1.7	F1.6~F2.8	F1.6~F1.7
	P-Iris	Support		
Road Traffic Management	Max. Vehicle Speed	160km/h	140km/h	120km/h
	Capture Rate	99%		
	Recognition Accuracy	98%		
	Coverage	2 lanes		3 lanes
	ANPR Distance	Up to 40m	Up to 60m	Up to 50m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection * Vehicle Color and Plate Color identification are not supported in low-light or night conditions.		
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting		
	White/Black List	Up to 20,000 records inside the camera		
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Audio I/O	1/1		
	Alarm Input	2		
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)		
	Wiegand	1		
	RS485	1		
Video	Max. Image Resolution	2688x1520	2592x1944	3840x2160
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	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T		
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB		
	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	Power Supply	PoE (802.3at) / DC 12V±10%		
	Power Consumption	Min.: 3.9W (DC 12V), 4.9W(PoE) Max.: 14.8W (DC 12V), 17.8W(PoE)	Min.: 4.8W (DC 12V), 5.8W(PoE) Max.: 13.8W (DC 12V), 16.7W(PoE)	Min.: 5.1W (DC 12V), 6.2W(PoE) Max.: 15.9W (DC 12V), 19.1W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance		
	Housing	Vandal-proof IK10-rated Metal Housing		

		AI Road Traffic Radar Pro Bullet Plus Camera	
	Model	TS4466-RFIVPG1 (4MP)	TS8266-RFIVPG1 (4K)
Camera	Appearance	 NDAA	 NDAA 4K
	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on
	WDR	Support	-
Lens	Illumination Distance	Up to 30m	Up to 40m
	Lens	Motorized 2.8~12mm@F1.2	
	Field of View	H114°~H45°/ D116°~D51°/ V57°~V25°	H114°~H45°/ D116°~D51°/ V57°~V25°
	P-Iris	Support	
Road Traffic Management	Max. Vehicle Speed	160km/h	120km/h
	Capture Rate	99%	
	Coverage	2 lanes	3 lanes
	ANPR Distance	Up to 20m	Up to 30m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed Detection * Vehicle Color and Plate Color identification are not supported in low-light or night conditions.	
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting	
	White/Black List	Up to 20,000 records inside the camera	
Radar	Working Frequency	60GHz, 61~62GHz	
	Tracking Target	Up to 32	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm Input	2	
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)	
	Wiegand	1	
	RS485	1	
Video	Max. Image Resolution	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)	
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	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
General	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	Min.: 6.6W (DC 12V), 7.9W(PoE) Max.: 17.2W (DC 12V), 20.4W(PoE)	Min.: 7.7W (DC 12V), 9.2W(PoE) Max.: 19W (DC 12V), 21W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	

		AI Road Traffic Radar Pro Bullet Plus Camera	
	Model	TS4466-X4RIVPG1 (4MP)	TS8266-X4RIVPG1 (4K)
Camera	Appearance	 NDAA	 NDAA 4K
	Image Sensor	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	Support	-
Lens	Illumination Distance	Up to 50m	Up to 60m
	Lens	8~32mm, 4X Optical Zoom	
	Field of View	H44°~H13°/D51°~D15°/V25°~V7°	
	P-Iris	Support	
Road Traffic Management	Max. Vehicle Speed	160km/h	120km/h
	Capture Rate	99%	
	Coverage	2 lanes	3 lanes
	ANPR Distance	Up to 40m	Up to 50m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed Detection * Vehicle Color and Plate Color identification are not supported in low-light or night conditions.	
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting	
	White/Black List	Up to 20,000 records inside the camera	
Radar	Working Frequency	60GHz, 61~62GHz	
	Tracking Target	Up to 32	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm Input	2	
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)	
	Wiegand	1	
	RS485	1	
Video	Max. Image Resolution	2688x1520	3840x2160
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)	
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	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
General	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	Min.: 7.2W (DC 12V), 8.3W(PoE) Max.: 17.4W (DC 12V), 21W(PoE)	Min.: 8W (DC 12V), 9.6W(PoE) Max.: 19.2W (DC 12V), 21.6W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	

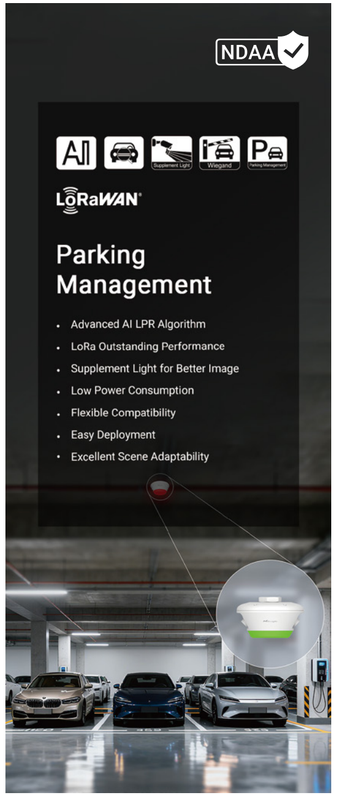
		AI Road Traffic Supplement Light Pro Bullet Plus Camera	
	Model	TS4466-X4RIWG1 (4MP)	TS8266-X4RIWG1 (4K)
Camera	Appearance	 NDAA	 NDAA 4K
	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6, B/W: 0Lux with IR on	Color: 0.009Lux@F1.6, B/W: 0Lux with IR on
	WDR	Support	-
Lens	Lens	8~32mm, 4X Optical Zoom	
	Field of View	H44°~H13°/D51°~D15°/V25°~V7°	
	Aperture	F1.6~F1.7	
	P-Iris	Support	
Road Traffic Management	Max. Vehicle Speed	160km/h	120km/h
	Capture Rate	99%	
	Recognition Accuracy	98%	
	Coverage	2 lanes	3 lanes
	ANPR Distance	Up to 40m	Up to 50m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection * Vehicle Color and Plate Color identification are not supported in low-light or night conditions.	
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting	
Illuminator	Supplement Light	IR LED	
	IR Wave Length	850nm	
	Illumination Distance	Up to 50m	Up to 60m
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm Input	2	
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)	
	Wiegand	1	
	RS485	1	
Video	Max. Image Resolution	2688x1520	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	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	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	Power Consumption	Min.: 4.1W Max.: 27W	Min.: 5.3W Max.: 28.3W
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	

		AI Road Traffic Speed Dome Camera	
	Model	TS4441-X36RPE (4MP)	TS4441-X36RPE /W (4MP)
Camera	Appearance		
	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.55 B/W: 0Lux with IR on	
	Lens	5.7~205.2mm, 36X Optical Zoom, 16X Digital Zoom	
	Illumination Distance	Up to 180m	
	Field of View	H63°~H3° / D69°~D3° / V38°~V1°	
Road Traffic Management	Max. Vehicle Speed	120km/h	
	Recognition Accuracy	>95%	
	Coverage	2 lanes	
	Country Region Supported	More than 80 countries and regions	
	ANPR Distance	Up to 120m (PoE); Up to 180m (AC power)	
	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 20,000 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	60fps@(2688x1520)	
	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, MQTT, HTTP, TCP, ONVIF Profile G&M&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 PTZ Bullet Camera
	Model	TS2961-X12TPE(2MP)
Camera	Appearance	
	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on
	Lens	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom
	Illumination Distance	Up to 50m
	Field of View	H61°~H5° / D69°~D5° / V36°~V2°
Road Traffic Management	Max. Vehicle Speed	120km/h
	Recognition Accuracy	>95%
	Coverage	2 lanes
	Country Region Supported	More than 80 countries and regions
	ANPR Distance	Up to 40m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection
	Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management
	White / Black List	Up to 20,000 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
	Tilt Range / Tilt Speed	-45° ~ 30° / Tilt Manual Speed: 0.1°~ 25°/s, Tilt Preset Speed: 25°/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
Video	Max. Image Resolution	90fps@(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, MQTT, HTTP, TCP, ONVIF Profile G&M&S&T
	Event Trigger	Black/White List, Attributes Event, 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	Housing	IP66

		4G Solar-powered ANPR Camera	
	Model	SP111/41L	
Image	Appearance	 NDAA	
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6	B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	IR Wave Length	850nm	740nm
	IR Distance	Up to 20m (65.62 ft)	
Lens	Lens	16mm	
	Field of View	H19.4°/D22.2°/V11°	
DORI	DORI	D: 341m, O: 134m, R: 67.2m, I: 33.6m	
Video	Max. Image Resolution	4MP (2688*1520)	
	Privacy Masking	Up to 4 areas (Mask)	
Interface	Alarm I/O	Input *1, Output *1	
	Audio I/O	Input *1, Output *1	
	RS485	1	
Wireless Network	SIM Card	Nano SIM	
Intelligent Analytics	Coverage	Up to 2 lanes	
	Recognition Accuracy	≥ 95%	
	Max. Vehicle Speed	Vehicles with a speed of ≤ 70km/h (43.5 mile/h)	
	Attributes Identification	Vehicle Type, No-plate Vehicle Capture, White/Black List Management	
	White / Black List	Up to 20,000 records inside the camera	
System	GPS	Built-in High-accuracy GPS Module	
	Storage	Support microSD / SDHC / SDXC Card Local Storage, up to 1TB	
	System Compatibility	ONVIF Profile G&M&S&T, API	
General	Power Supply	DC 12V±10%	
	Power Consumption	**Sleep Mode:** 0.19W **Basic:** 1.72W (ANPR + 4G Module OFF) **Max:** 3.51W (Illuminator + ANPR + 4G streaming ON)	
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Kit Dimensions	1050*1150*592mm	
	Kit Weight	30.8kg	34.6kg (With package)
Controller	Power Output	9 to 12.6 VDC, Max. 25.2W	
Battery	Battery Type	Ternary lithium battery	
	Battery Capacity (Energy Capacity)	90Wh	360Wh (4 units of B90)
	Weight	640g (Single cell battery)	730g (Single cell battery with packaging)
	Dimensions	125*48*95mm	

		5G AI Road Traffic Pro Bullet Plus Camera	
	Model	TS4466-X4RGPE (4MP)	
Camera	Appearance	 NDAA	
	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.6	B/W: 0Lux with IR on
	Shutter Time	1/100000s~1s	
	IR Wave Length	850nm (Default)	740nm (Optional)
	Illumination Distance	Up to 50m	
Lens	Lens	8~32mm, 4X Optical Zoom	
	Field of View	H44°~H13° / D51°~D15° / V25°~V7°	
	Aperture	F1.6~F1.7	
Road Traffic Management	Max. Vehicle Speed	120km/h	
	Recognition Accuracy	>95%	
	Coverage	2 lanes	
	ANPR Distance	Up to 30m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection	
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management	
	White/Black List	Up to 20,000 records inside the camera	
Interface	Ethernet	1*RJ45 10M / 100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1 (Integrated Cable Version); 2/2 (Cable Out Version)	
Video	Max. Image Resolution	2688x1520	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)	
Mobile Communication	Wireless Communication	Support 5G/4G/3G	
	Wireless Transmission Speed	SA - DL 2.4Gbps, UL 900Mbps; NSA - DL 3.4Gbps, UL 550Mbps; LTE - DL 1.6Gbps, UL 200Mbps	
	SIM Card	Nano SIM	
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	
	Audio Bit Rate	16~256kbps	
	Two-way Audio	Support	
System	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G&M&S&T	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
General	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	8W MAX; 13W MAX (With IR on)	
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Housing	Vandal-proof IK10-rated Metal Housing	
	Surge Protection	4KV	
	Weight	1623g	
	Dimensions	320mmX134mmX126mm	320mmX134mmX208mm (With Antennas)
	Warranty	3/5 Years	



PARKING MANAGEMENT

		Indoor Parking Guidance Camera
	Model	PM3322-E (3MP*2)
Camera	Appearance	
	Image Sensor	1/2.8" Progressive Scan CMOS
	WDR	120dB Super WDR
	Min. Illumination	Color: 0.008Lux@F1.6
	Shutter Time	1/100000s~1s
	LED Indicator	Default color is Red (all occupied), Green (available), Blue (available for special parking). The default color can be switched to Orange, Yellow, Cyan and Purple as needed. Supports indicator flashing.
Parking Management	Parking Occupancy Detection Accuracy	≥99.9%
	LPR Accuracy	>98%
	Attribute Recognition Accuracy	>95%
	Parking Space Detection	Up to 6 Parking Spaces for Parking Detection with attributes recognition
	Attributes Identification	License Plate, Plate Color, Vehicle Type, Vehicle Color
Lens	Lens	2.8mm*2@F1.6
	Field of View	H106°/D127°/V56°
	Angle Adjustment	Pan: 0° to 60° Tilt: 0° to 30°
Video	Max. Image Resolution	2048x1536
	Video Compression	H.264/H.265
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation/Sharpness
Interface	Ethernet	2*RJ45 10M/100M Ethernet Port
	Audio Out	1
	RS485	Support
Network	Protocol	MQTT, TCP/IP, HTTP, HTTPS, RTSP, UPnP, DDNS, SNMP
General	Power Supply	PoE (48V~0.3A)*2 (Non-standard) ; DC 12V±10% Note: There are two ways to connect the power supply. One is by using an optional AC Adapter to cascade up to 6 devices, supporting simultaneous power supply and networking without using the DC interface; the other is to deploy through a regular network port for networking and a DC port for power supply, without the AC Adapter.
	Power Consumption	Min.: 4.3W (DC 12V), 4.7W(PoE) Max.: 6.4W (DC 12V), 6.95W(PoE)
	Weather Proof	Up to IP65-rated for Weather-resistant Performance
	Weight	500g
	Dimensions	Φ160mmX97.5mm

		Entrance & Exit AI LPR Bullet Camera	Entrance & Exit AI LPR Pro Dome Camera
	Model	MS-C2964-RFLPE(2MP)	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	
	WDR	140dB Super WDR	
	Illumination Distance	Up to 20m	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H111°~H34°/D130°~D39° /V60°~V19°	H115°~H34°/D135°~D39° /V62°~V19°
Entrance & Exit Management	Max. Vehicle Speed	120km/h	
	Recognition Accuracy	>98%	
	Coverage	2 lanes	
	Country/Region Supported	More than 80 countries and regions	
	ANPR Distance	Up to 15m	Up to 10m
	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 20,000 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)	
	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, MQTT, HTTP, TCP, ONVIF Profile G&M&S&T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 1TB	
	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 AI LPR Pro Bullet Plus Camera
	Model	MS-C4466-RFILPG1 (4MP)
Camera	Appearance	
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on
	WDR	Support
	IR Wave Length	850nm (Default); 740nm (Optional)
	Illumination Distance	Up to 20m
Lens	Lens	Motorized 2.8~12mm@F1.2
	Field of View	H114°~H45°/ D116°~D51°/ V57°~V25°
	P-Iris	Support
Entrance & Exit Management	Max. Vehicle Speed	60km/h
	Capture Rate	99%
	Recognition Accuracy	98%
	Coverage	2 lanes
	ANPR Distance	Up to 15m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection * Vehicle Color and Plate Color identification are not supported in low-light or night conditions.
Interface	Smart Traffic Function	Evidence Camera Linkage
	White/Black List	Up to 100,000 records inside the camera
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1
	Alarm Input	2
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)
	Wiegand	1
	RS485	1
Video	Max. Image Resolution	2688x1520
Network	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
Audio	Audio Compression	G.711/AAC/G.722/G.726
System	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 1TB
	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	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	Min.: 2.78W (DC 12V), 3.62W(PoE) Max.: 8.57W (DC 12V), 10.54W(PoE)

		Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera
	Model	MS-C4466-RFILWPG1 (4MP)
Camera	Appearance	
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on
	WDR	Support
Lens	Lens	Motorized 2.8~12mm@F1.2
	Field of View	H114°~H45°/ D116°~D51°/ V57°~V25°
	P-Iris	Support
Entrance & Exit Management	Max. Vehicle Speed	60km/h
	Capture Rate	>98%
	Recognition Accuracy	98%
	Coverage	2 lanes
	ANPR Distance	Up to 20m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection * Vehicle Color and Plate Color identification are not supported under IR conditions.
	Smart Traffic Function	Evidence Camera Linkage
	White / Black List	Up to 100,000 records inside the camera
Illuminator	Supplement Light	Warm White LED & IR LED
	IR Wave Length (For IR LED Light)	850nm
	Light Bead	9×Warm White LED; 3×IR LED
	Illumination Distance	Up to 25 m
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1
	Alarm Input	2
	Alarm Output	2 (1 relay output; 1 open collector output, max. 12V DC/10mA)
	Wiegand	1
	RS485	1
Video	Max. Image Resolution	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
	Video Compression	2688x1520
	Video Bit Rate	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Network	Protocol	16Kbps~16Mbps(CBR/VBR Adjustable)
Audio	Audio Compression	G.711/AAC/G.722/G.726
System	System Compatibility	API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 1TB
	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	Power Supply	PoE (802.3at) / DC 12~28V *Heater and supplementary light are mutually exclusive under PoE power supply.
	Power Consumption	Min.: 4.1W (DC 12~28V), 4.9W(PoE) / Max.: 24.6W (DC 12~28V), 28.9W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance

PAKRING MANAGEMENT

		AI Parking Management Pro Bullet Plus Camera	
	Model	PMC8266-FPE (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	
	Shutter Time	1/100000s~1s	
	Illumination Distance	Up to 65m	
Parking Management	Parking Application Mode	Occupancy Detection/Parking Detection	
	Parking Space Detection	Up to 4 Parking Spaces for Parking Detection with LPR	Up to 100 Parking Spaces@10m for Occupancy Detection
	Detection Accuracy	>98%	
	Mounting Height	4~8m (For Parking Detection with LPR)	>3.5m (For Occupancy Detection)
Lens	Lens	Motorized 3.6~10mm@F1.4	
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°	
Video	Max. Image Resolution	3840x2160	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
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	
	Two-way Audio	Support	
System	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	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.	
	System Compatibility	MQTT, ONVIF Profile G&S&T, API	
General	Working Temperature	-40℃~60℃	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Power Consumption	8W MAX	17W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
	Weight	1630g	
	Dimensions	301mmX108mmX126mm	
	Warranty	3/5 Years	

PARKING MANAGEMENT

		AI Parking Management 5G Pro Bullet Plus Camera	
	Model	PMC8266-FGPE(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	
	Illumination Distance	Up to 65m	
Parking Management	Parking Application Mode	Occupancy Detection/Parking Detection	
	Parking Space Detection	Up to 4 Parking Spaces for Parking Detection with LPR;	Up to 100 Parking Spaces@10m for Occupancy Detection
	Detection Accuracy	>98%	
	Data Report	Triggered Report: when parking space is occupied or released;	Interval Report: regular report of entire parking situation
Lens	Lens	Motorized 3.6~10mm@F1.4	
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°	
	Mount	Φ14	
	Focus Control	Auto/Manual	
Video	Max. Image Resolution	3840x2160	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
Mobile Communication	Wireless Communication	Support 5G/4G/3G	
	SIM Card	Nano SIM	
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	
	Audio Sampling Rate	8/16/32/44.1/48KHz	
	Audio Bit Rate	16~256kbps	
	Two-way Audio	Support	
System	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	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	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.	
	System Compatibility	MQTT, ONVIF Profile G & S & T, API	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Power Consumption	Min.: 5.22W (DC 12V), 6.28W(PoE)	Max.: 11.22W (DC 12V), 12.91W(PoE)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance	
	Dimensions & Weight	301mmX108mmX126mm; 1630g	

Network Video Recorder

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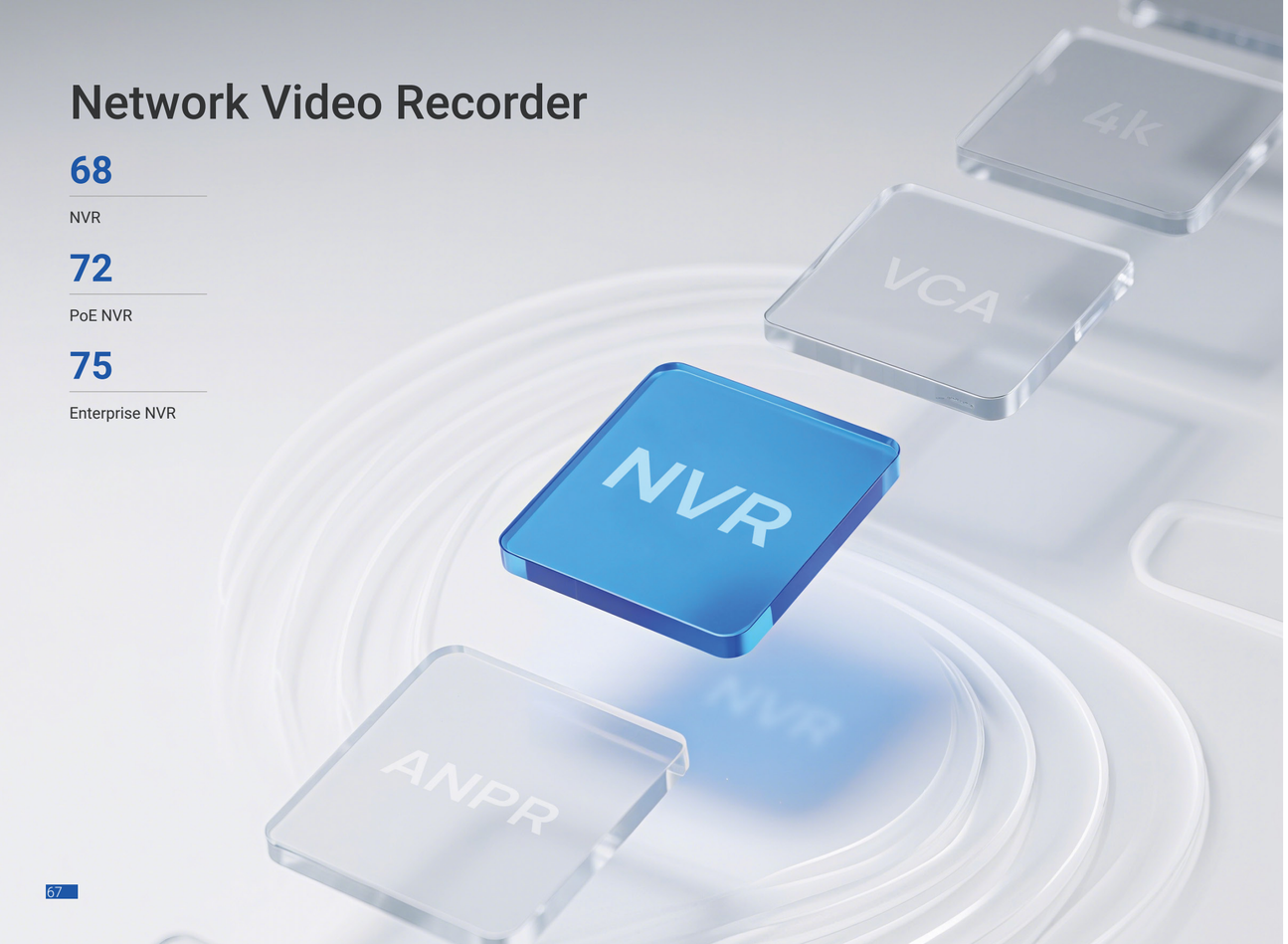
NVR

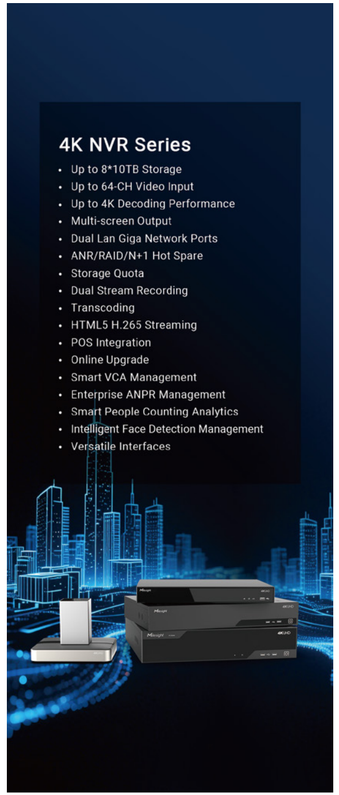
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PoE NVR

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Enterprise NVR





NVR SERIES

		Mini NVR 1000 Series		
	Model	MS-N1004-UC	MS-N1008-UC	MS-N1008-UNC
Device	Appearance		Gold Silver Black	Gold Silver Black
		220mm(W)X200mm(D)X43.6mm(H)/0.19Kg		80mm(W)X80mm(D)X120mm(H)/0.85Kg
Video/Audio Input	Network Video Input	4-CH	8-CH	
	Incoming/ Outgoing 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/ Synchronous Playback	*The recommended parameters are theoretical values only. Actual performance may vary depending on the usage environment, the number of connected cameras, and their models. *Resolutions with width or height >4096 not supported for decoding.		
		When the bite rate is ≤2048 kbps: 1*(30fps @8MP), 1*(30fps @6MP), 1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps @1080P), 4*(30fps @720P)	When the bite rate is ≤2048 kbps: 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.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 4TB capacity for each HDD
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, 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℃～55℃/Humidity: 10%～90%		

NVR SERIES

			Pro NVR 5000 Series	
	Model		MS-N5008-NE	MS-N5016-NE
	Appearance		 NDAA	
			Rack Mountable Chassis (1.0U Standard) 380mm(W)X317.6mm(D)X51.8mm(H)/1.9kg	
Video/Audio Input	Network Video Input		8-CH	16-CH
	Bandwidth	Incoming	160Mbps	160Mbps
		Outgoing	160Mbps	160Mbps
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	
	Dual Stream		Support	
	Recording Resolution		8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF	
	Synchronous Playback		3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 6*(30fps @4MP), 8*(30fps @3MP), 8*(30fps @1080P), 8*(30fps @720P), 8*(30fps @D1)	3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 6*(30fps @4MP), 8*(30fps @3MP), 12*(30fps @1080P), 16*(30fps @720P), 16*(30fps @D1)
Video/Audio Compression	Video Compression		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	
Recording Management	Recording Type		Continuous, Event (Motion Detection, Alarm, VCA, Smart Analysis)	
	Snapshot 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		2*USB 2.0	
	Audio Input / Output		1*RCA/1*RCA	
	Alarm Input / Output		4-CH/1-CH	
General	Compatibility		ONVIF, API	
	Advanced Function		ANR	
	ANPR		Support	
	Video Analysis		Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed	
	Keyboard Control		Milesight Keyboard (MS-K01)	
	Power Supply		DC 12V 50Hz~60Hz	
	Consumption		≤4W(Without HDD)	
	Working Conditions		Temperature: -10℃~55℃ / Humidity: 10%~90%	

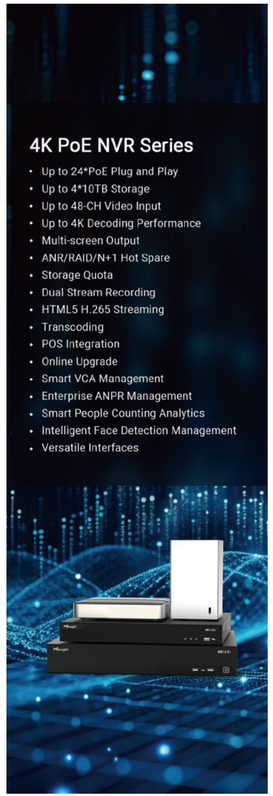
NVR SERIES

		Pro NVR 7000 Series	
	Model	MS-N7016-G	MS-N7032-G
Device	Appearance		
		440mm(W)X320mm(D)X66.8mm(H)/4.1Kg Rack Mountable Chassis (1.5U Standard)	
Video/Audio Input	Network Video Input	16-CH	32-CH
	Incoming / Outgoing Bandwidth	160Mbps/160Mbps	256Mbps 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	6*(30fps@8MP), 8*(30fps@6MP), 9*(30fps@5MP), 12*(30fps@4MP), 16*(30fps@3MP), 16*(30fps@1080P), 16*(30fps@720P), 16*(30fps@D1)	6*(30fps@8MP), 8*(30fps@6MP), 9*(30fps@5MP), 12*(30fps@4MP), 16*(30fps@3MP), 24*(30fps@1080P), 32*(30fps@720P), 32*(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")	
	Capacity	Up to 10TB capacity for each HDD	
Disk Array	Software Raid	RAID0, RAID1, RAID5, RAID6, RAID10	
Recording Management	Recording/Snapshot 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	2*RJ45 10/100/1000Mbps	
	Serial Interface	1*RS-485 Series Port for PTZ	
		1*RS-232 Series Port for Console	
		1*RS-485 Series Port for Keyboard	
	USB Interface	1*USB 3.0; 2*USB 2.0	
	Audio Input/Output	1*RCA/1*RCA	
	Alarm Input/Output	16-CH/4-CH	
General	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed	
	Power Supply	AC 100V ~ 240V 50Hz ~ 60Hz	
	Consumption	≤15W (Without HDD)	
	Working Conditions	Temperature: -10℃~55℃ / Humidity: 10% ~ 90%	

NVR SERIES

		Pro NVR 8000 Series	
	Model	MS-N8032-G	MS-N8064-G
	Appearance		
		440mm(W)X420mm(D)X88.2mm(H)/6.0Kg Rack Mountable Chassis (2.0U Standard)	
Video/Audio Input	Network Video Input	32-CH	64-CH
	Incoming/Outgoing Bandwidth	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	2-CH, Resolution: 3840x2160/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1280x1024/60Hz,1280x720/60Hz, 1024x768/60Hz HDMI Supports Audio Output	
	VGA Output	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	6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps@3MP), 24*(30fps@1080P), 32*(30fps@720P),32*(30fps@D1)	6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps@3MP), 24*(30fps@1080P), 48*(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	8*SATA HDD (3.5")	
	eSATA	1*eSATA	
	Capacity	Up to 10TB capacity for each HDD	
Disk Array	Software Raid	RAID0, RAID1, RAID5, RAID6, RAID10	
Recording Management	Recording / Snapshot 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	2*RJ45 10/100/1000Mbps	
	Serial Interface	1*RS-485 Series Port for PTZ	
		1*RS-232 Series Port for Console	
		1*RS-485 Series Port for Keyboard	
	USB Interface	1*USB 3.0; 2*USB 2.0	
	Audio Input/Output	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, People Counting, Object Left, Object Removed	
	Keyboard Control	Milesight Keyboard (MS-K01)	
	Power Supply	AC 100V ~ 240V 50Hz ~ 60Hz	
	Consumption	≤35W (Without HDD)	
	Working Conditions	Temperature: -10 ℃~55 ℃ / Humidity: 10% ~ 90%	

POE NVR



		PoE NVR 1000 Series		
	Model	MS-N1004-UPC	MS-N1008-UPC	MS-N1008-UNPC
Device	Appearance	 Gold Silver Black		 Gold Silver Black
		220mm(W)X200mm(D)X43.6mm(H)/0.2Kg		115mm(W)X115mm(D)X180mm(H)/1.5Kg
Video/Audio Input	Network Video Input	4-CH/4*PoE Ports	8-CH/8*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/ Synchronous Playback	*The recommended parameters are theoretical values only. Actual performance may vary depending on the usage environment, the number of connected cameras, and their models. *Resolutions with width or height >4096 not supported for decoding.		
		When the bite rate is ≤2048 kbps: 1*(30fps @8MP), 1*(30fps @6MP), 1*(30fps @5MP), 2*(30fps @4MP), 2*(30fps @3MP), 4*(30fps @1080P), 4*(30fps @720P)	When the bite rate is ≤2048 kbps: 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.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		
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	Compatibility	ONVIF, API		
	Advanced Function	ANR		
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed		
	Keyboard Control	Milesight Keyboard(MS-K01)		
	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 ℃~55 ℃ /Humidity: 10%~90%		

POE NVR

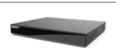
		PoE NVR 5000 Series		
	Model	MS-N5008-PE	MS-N5016-PE	MS-N5016-NPE
Device	Appearance	 NDAA	 NDAA	 NDAA
		380mm(W)X317.6mm(D)X51.8mm(H)/2.6Kg Rack Mountable Chassis (1.0U Standard)	380mm(W)X317.6mm(D)X51.8mm(H)/2.7Kg Rack Mountable Chassis (1.0U Standard)	380mm(W)X317.6mm(D)X51.8mm(H)/2.7Kg Rack Mountable Chassis(1.0U Standard)
Video/Audio Input	Network Video Input	8-CH/8*PoE Ports	16-CH/16*PoE Ports	
	Incoming/Outcoming Bandwidth	80Mbps/50Mbps		160Mbps/160Mbps
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), 12*(30fps @720P)	3*(30fps @8MP), 4*(30fps @6MP), 4*(30fps @5MP), 5*(30fps @4MP), 8*(30fps @3MP), 12*(30fps @1080P), 16*(30fps @720P), 16*(30fps @D1)
Video/Audio Compression	Video Compression	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		
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	≤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

		PoE NVR 7000 Series	
	Model	MS-N7016-PG	MS-N7048-PG
Device	Appearance		
		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)
Video/Audio Input	Network Video Input	16-CH/16*PoE Ports	48-CH/24*PoE Ports
	Incoming/Outcoming Bandwidth	160Mbps/160Mbps	320 or 200Mbps(When RAID is enabled)/ 256 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	6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps @3MP),16*(30fps @2MP), 16*(30fps @1080P), 16*(30fps @720P)、16*(30fps @D1)	6*(30fps @8MP), 8*(30fps @6MP), 9*(30fps @5MP), 12*(30fps @4MP), 16*(30fps @3MP), 24*(30fps @1080P), 48*(30fps @720P), 48*(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")	
	Capacity	Up to 10TB capacity for each HDD	
Disk Array	Software Raid	RAID0, RAID1, RAID5, RAID6, RAID10	
Recording Management	Recording/Snapshot 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	
	Serial Interface	1*RS-485 Series Port for PTZ	
		1*RS-232 Series Port for Console	
		1*RS-485 Series Port for Keyboard	
	USB Interface	1*USB 3.0; 2*USB 2.0	
	Audio Input/Output	1*RCA/1*RCA	
	Alarm Input/Output	16-CH/4-CH	
PoE Interface	Interface	16*RJ45 10/100Mbps	24*RJ45 10/100Mbps
	Power Output	≤200W	
General	Supported Standard	IEEE 802.3af/at	
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, 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%	

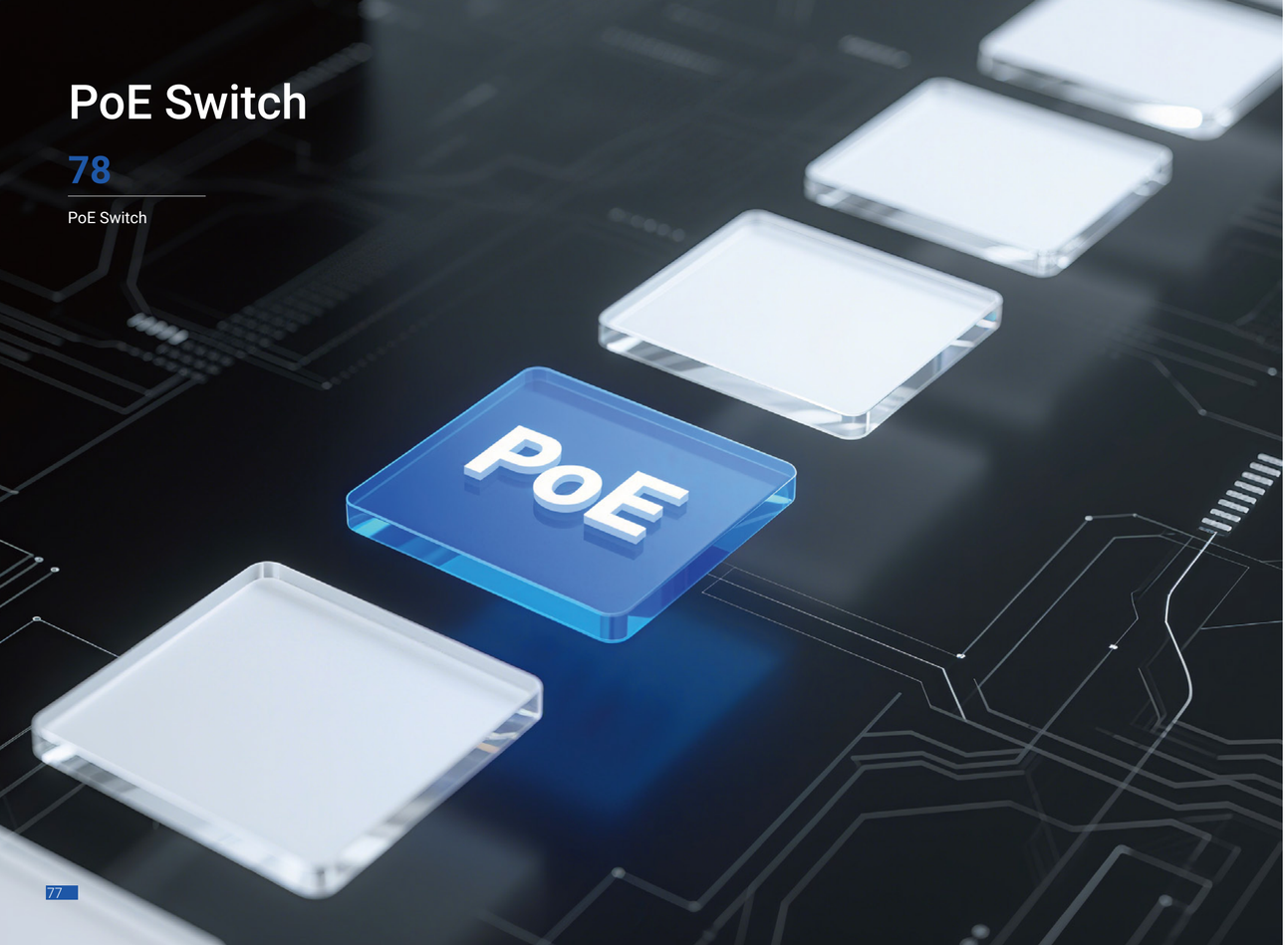


ENTERPRISE NVR SERIES

		Enterprise NVR 1U Series	
	Model	VE0100-A	VE0201-A
Devices	Appearance		
Devices	Included Camera Access License	8	16
Recording	Recording Schedule	8	16
Decoding	Video Format	MJPEG, H.264, H.265	
	Decoding Resolution	Up to 12 MP	
	Decoding Capability	Display with 1080P Monitor 12MP(4000*3000)@20fps=6ch 8MP(3840*2160)@30fps=6ch 2MP(1920*1080)@30fps=8ch	Display with 1080P Monitor 12MP(4000*3000)@20fps=6ch 8MP(3840*2160)@30fps=6ch 2MP(1920*1080)@30fps=16ch
Event & Alarm	Event and Alarm Rules	1000	
Users & Roles	Concurrent Accesses via Clients, App Clients	300	
	Users	1000	
	Roles	100	
System	Main Processor	Intel 2.0 GHz Celeron Series	
	Memory	2*4GB DDR4	
	Network Interface	2*1000Mbps RJ-45 Ports	
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit	
	GPU Options	Integrated GPU	
	Auto Power On	Support	
Auxiliary Interface	HDD Drives (Video Data)	1*SATA (3.5" or 2.5")	2*SATA (3.5" or 2.5")
	SSD Drive (Operating System)	M.2 SSD(1*256 GB Pre-installed)	
	RAM	2* DDR4 2666 Slot(2*4GB Pre-installed) Support Up to 16GB Support Dual-Channel Mode	
	Capacity	Up to 20TB capacity for each disk	
	Recording Storage Capacity	Up to 1*20TB raw	Up to 2*20TB raw
	LAN	2*1000Mbps LAN	
	Display	2*HDMI Port, 1*DP Port Support independent and synchronous display	
	Audio	1*BNC In, 1*BNC Out	
	USB Interface	Rear panel: 2*USB 2.0, 2*USB 3.0, 1*USB-C Port	
	Power Supply	AC 100-240V, 50-60Hz, DC 12V	
General	Consumption	≤30W(without HDD)	
	Working Condition	Temperature: 0°C to 35°C (32°F to 95°F), Humidity: 10% to 90% RH	

ENTERPRISE NVR SERIES

		Enterprise NVR 2U Series		Enterprise NVR 3U Series	
	Model	VE0601-A	VE0602-A	VE1604-A	VE1608-A
Device	Appearance				
Devices	Included Camera Access License	16	32	64	128
Recording	Recording Schedule	16	32	64	128
Decoding	Video Format	MJPEG, H.264, H.265		MJPEG, H.264, H.265	
	Decoding Resolution	Up to 12 MP		Up to 12 MP	
	Decoding Capability*	Display with 1080P Monitor D1(704*576)@25fps=36ch, 2MP(1920*1080)@25fps=25ch 5MP(2592*1944)@25fps=11ch,12MP(4000*3000)@25fps=5ch		12MP(4000*3000)@20fps=6CH, 8MP(3840*2160)@30fps=6CH 2MP(1920*1080)@30fps=39CH, 720P(1280*720)@30fps=52CH D1(704*576)@30fps=64ch	
Event & Alarm	Event and Alarm Rules	1000		1000	
Users & Roles	Concurrent Accesses via Clients, App Clients	300		300	
	Users&Roles	1000/100		1000/100	
System	Main Processor	2.0 GHz Intel Celeron Series		Intel Core 12th i5	Intel Core 12th i7
	Memory	2*8GB DDR4		2*8GB DDR4	
	Network Interface	4*2.5 GbE RJ-45 ports		2*1000Mbps RJ-45 ports 1*2.5Gbps RJ-45 ports	
	Operating System	Microsoft Windows 10 IoT Enterprise 64bit		Microsoft Windows 10 IoT Enterprise 64bit	
	GPU Options	Integrated GPU		Integrated GPU	
	Auto Power On	Support		Support	
Auxiliary Interface	HDD Drives(Video Data)	6*SATA (3.5" or 2.5")		16*SATA (3.5" or 2.5") Support hot-plug	
	SSD Drive (Operating System)	M.2 SSD(1*256 GB Pre-installed)		2*M.2 SSD(1*250GB Pre-installed)	
	RAM	2*SO-DIMM DDR4 2666 Slot (2*4GB /2*8GB Pre-installed) Support Up to 16GB, Support Dual-Channel Mode		4* DDR4 Slot(2*8GB Pre-installed) Support Dual-Channel Mode	
	Capacity	Up to 20TB capacity for each disk		Up to 20TB capacity for each disk	
	RAID	NA		RAM：Support RAID 0, 1, 5, 6, 10, 50, 60	
	Recording Storage Capacity	Up to 6*20TB raw		Up to 16*20TB raw	
	LAN	4*2.5Gbps LAN		1*2.5Gbps, 2*1000Mbps	
	PCI-E	1*PCI-E4 slot		NA	
	Display	1*HDMI Port1*DP Port, Support independent and synchronous display		2*HDMI Port, 1*DP Port Support independent and synchronous display	
	Audio	1* HD Audio Connector		3*Audio Jacks	
	USB Interface	Front panel: 2*USB 2.0, Rear panel: 2*USB 2.0, 2*USB 3.0		Front panel: 2*USB 3.0; Rear panel: 4*USB 2.0, 2*USB 3.2 Gen2	
	Power Supply	AC 100-240V, 50-60Hz		AC 100-240V, 50-60Hz, redundant power supply	
General	Consumption	≤30W (without HDD)		≦75W (without HDD)	
	Working Conditions	Temperature:0°C to 35°C (32°F to 95°F) / Humidity 10% to 90% RH		Temperature: 0°C to +50°C (32°F to 122°F) / Humidity:10% to 90% RH	



PoE Switch

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PoE Switch

PoE SWITCH

	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		
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 1~10: 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		
Storage Temperature	-40°C ~ 75°C		
Operating / Storage Humidity	10% ~ 90%RH (non-condensing)		
Lightning Protection / Protection Level	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

	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
- Efficiently calculation report PDF export



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 Health Monitoring Board
- 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 device grouping and playing devices by group
- Support Device Transfer
- Support log search

Accessories

A01 V3 Pole Mount

Weight: 625g
Dimension: 140*136*46mm
Installation Environment: For strapping cameras on poles between 102-127mm(4.1-5 inches) in diameter
Applicable Model:
AI IR Mini Dome (XX83), AI Motorized Bullet (XX64), AI Vandal-proof Mini Bullet (XX64), AI Weather-proof Mini Bullet (XX63), AI 180° Panoramic Mini Bullet & Dome (XX65 & XX76), AI TrueColor Turret & Bullet (XX31 & XX68), A63, A71



A02 V2 Pole Mount

Weight: 1kg Dimension: 180*138.5*47mm
Installation Environment: For strapping cameras on poles between 102-127mm(4.1-5 inches) in diameter
Applicable Model:
AI Motorized Pro Dome (XX72), AI Motorized Pro Bullet(Plus) (XX62 & XX66), AI 4X/12X Pro Bullet Plus (XX66), AI 12X PTZ Bullet (XX61), AI 12X/20X/23X PTZ Bullet Plus & Dome (XX67 & XX71), Speed Dome (XX41) AI (TrueColor) Dual-sensor 180° Panoramic (XX77), Fisheye (XX74), AI TrueColor Turret & Dome (XX31 & XX72), TrafficX (TSS51X) A41, A43, A44, A62, A72 V2, A77, A92, A91, A91-N, A92-N



A03 External Corner Bracket

Weight: 900g
Dimension: 180*152.5*76mm
Installation Environment: For mounting cameras on an external corner
Applicable Model:
AI Weather-proof Mini Bullet (XX63), AI Vandal-proof Mini Bullet (XX64), AI Motorized Bullet (XX64), AI PTZ Bullet Plus (XX67), AI 180° Panoramic Mini Bullet & Dome (XX65 & XX76), A41, A62, A63, A71, A72, A77, A43



A41 Wall Mount

Weight: 400g
Dimension: 200*129*100mm
Installation Environment: For wall or parapet installations
Applicable Model:
AI Speed Dome (XX41)



A42 Pendant Mount

Weight: 650g
Dimension: Φ116.5*255mm
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
AI Speed Dome (XX41)



A42-L Extension Lever

Weight: 330g
Dimension: Φ47.5*255mm
Installation Environment: Used as extensions for pendant mount
Applicable Model:
A42, A79, A76 V2



A43 Junction Box

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



A44 V2 Wall Mount

Weight: 1190g
Dimension: 135*295*370.5mm
Installation Environment: For wall or parapet installations
Applicable Model:
AI Multi-directional (XX21), A02 V2, A03, A43



A62 Junction Box

Weight: 510g
Dimension: 134*126*40mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and preventing from being tampered.
Applicable Model:
AI Motorized Pro Bullet (XX62), 5G (AIOT) AI Pro Bullet Plus Network Camera (XX66), AI PTZ Bullet (Plus)Camera (XX61 & XX67), A02 V2, A03



A63 Junction Box

Weight: 620g
Dimension: 134*126*40mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
AI Weather-proof Mini Bullet (XX63), AI Motorized Bullet (XX64), A01, A03



A71 Wall Mount

Weight: 530g
Dimension: 162*124*78mm
Installation Environment: Used to install cameras on an wall or vertical structure
Applicable Model:
AI IR Mini Dome (XX83), AI Vandal-proof Mini Dome (XX73), AI Weather-proof Mini Dome (XX75), AI Motorized Dome (XX75), AI 180° Panoramic Mini Dome (XX76)



A72 V2 Wall Mount

Weight: 575g
Dimension: 242*145*133mm
Installation Environment: For wall or parapet installations
Applicable Model:
AI Pro Dome (XX72), AI 360° Panoramic Fisheye (XX74) AI Motorized Dome (XX75), AI 180° Panoramic Mini Dome (XX76), AI (TrueColor) Dual-sensor 180° Panoramic (XX77)



A73 Adapter Plate

Weight: 28g
Dimension: 115*122.5*10mm
Installation Environment: For the installation that cable need to be routed through the side outlet
Applicable Model:
AI Vandal-proof Mini Dome (XX73)



A74 Junction Box

Weight: 60g
Dimension: 121.5*116.5*37.2mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
AI Vandal-proof Mini Dome (XX73)



AC-71 Smoked Dome Cover

Weight: 120g
Dimension: Φ136.8*92.5mm
Installation Environment:
For concealing where a camera is pointed
Applicable Model:
AI PTZ Dome (XX71)



Accessories

AC-72 Smoked Dome Cover

Weight: 39g
Dimension: Φ100*56mm
Installation Environment:
For concealing where a camera is pointed
Applicable Model:
AI Pro Dome (XX72)



A75 Junction Box

Weight: 200g
Dimension: 145*167*33.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
AI Pro Dome (XX72),
AI 360° Panoramic Fisheye (XX74)



A76 V2 Pendant Mount

Weight: 620g
Dimension: Φ145*L (L is default as 290mm, also can be extended with A76-L)
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
AI 360° Panoramic Fisheye (XX74), AI Pro Dome (XX72), AI Motorized Dome (XX75), AI 180° Panoramic Mini Dome (XX76), AI (TrueColor) Dual-sensor 180° Panoramic (XX77)



A77 Wall Mount

Weight: 650g
Dimension: 262*185*138mm
Installation Environment: For wall or parapet installations
Applicable Model:
AI PTZ Dome (XX71)



A78 Recessed Mount

Weight: 715g
Dimension: Φ256*94mm
Installation Environment:
For in-ceiling installations
Applicable Model:
AI PTZ Dome (XX71),
AI Pro Dome (XX72)



A79 Pendant Mount

Weight: 850g
Dimension: Φ185*295mm
Installation Environment: Used to install cameras on an ceiling or horizontal structure
Applicable Model:
AI PTZ Dome (XX71)



A79-1 Pendant Mount

Weight: 1280g
Dimension: Φ295*292mm
Installation Environment: Used to install cameras on a ceiling or horizontal structure
Applicable Model:
AI Multi-directional (XX21)



A81 Recessed Mount

Weight: 450g
Dimension: Φ168.7*91.3mm
Installation Environment: For in-ceiling installations
Applicable Model:
AI Weather-proof Mini Dome (XX75)
(Only for cable out version.)



A82 Recessed Mount

Weight: 475g
Dimension: Φ168.7*91.3mm
Installation Environment: For in- ceiling installation
Applicable Model:
AI IR Mini Dome (XX83)



A83 Junction Box

Weight: 270g
Dimension: Φ122*45.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering
Applicable Model:
AI Weather-proof Mini Dome (XX75)



A84 Junction Box

Weight: 360g
Dimension: Φ137*47.6mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and delete tampering
Applicable Model:
AI Motorized Dome (XX75)



A91-N Pedestal Mount

Weight: 540g
Dimension: 80*80*104.5mm
Installation Environment: For installation on a base or platform
Applicable Model:
DualVision TrafficX Radar Camera (TS5510), A92-N, A02 V2



A92-N Wall Mount

Weight: 1800g
Dimension: 140*200*279mm
Installation Environment: For wall or parapet installations
Applicable Model:
DualVision TrafficX Radar Camera (TS5510), A91-N, A02 V2



S45 Solar Panel Modules

Weight: 4.2kg
Dimension: 580*385*69mm
Installation Environment: Generating and providing electricity for cameras, equipped with wall-mount and pole-mount brackets by default
Applicable Model:
4G Solar-powered Traffic Sensing Camera (SC211)



SA02 Wall Mount

Weight: 2.2kg
Dimension: 150*260*400mm
Installation Environment: For wall or parapet installations
Applicable Model:
4G Solar-powered Security (ANPR) Camera (SP111), A02 V2



S100B55 Solar Power System

Weight: 13kg
Dimension: 765*630*69 mm
825*690*105 mm (with Package)
Installation Environment: Generating and providing electricity for cameras, equipped with wall-mount and pole-mount brackets by default
Applicable Model:
4G Solar-powered Security(ANPR) Camera (SP111)



S100B96 Solar Power System

Weight: 16kg
Dimension: 765*630*112.5 mm
825*690*140 mm (with Package)
Installation Environment: Generating and providing electricity for cameras, equipped with wall-mount and pole-mount brackets by default
Applicable Model:
4G Solar-powered Security(ANPR) Camera (SP111)

