

▪ Better Inside, More in Sight ▪

MILESIGHT NDAA COMPLIANT PRODUCT COMPARISON GUIDE

▪ NDAA Compliant Video Surveillance

NDAA

V2.3



Milesight | www.milesight.com
Tel: +86-592-5922772(8801) - Sales +86-592-5922772(8701) - Support
Mail: sales@milesight.com support@milesight.com

MILESIGHT USA
Tel: +1-800-561-0485
Add: 220 NE 51st Street Oakland Park, Florida 33334, USA

MILESIGHT KOREA
Tel: +82-31-990-7732
Add: 925, Anyang SK V1 Center,
LS-ro 116beon-gil, Dongan-gu, Anyang-si, Korea

MILESIGHT CHINA
Tel: +86-592-5922772
Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China



www.milesight.com



■ **BETTER INSIDE, MORE IN SIGHT** ■

About Milesight

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

Quality

Outstanding product quality and unique design

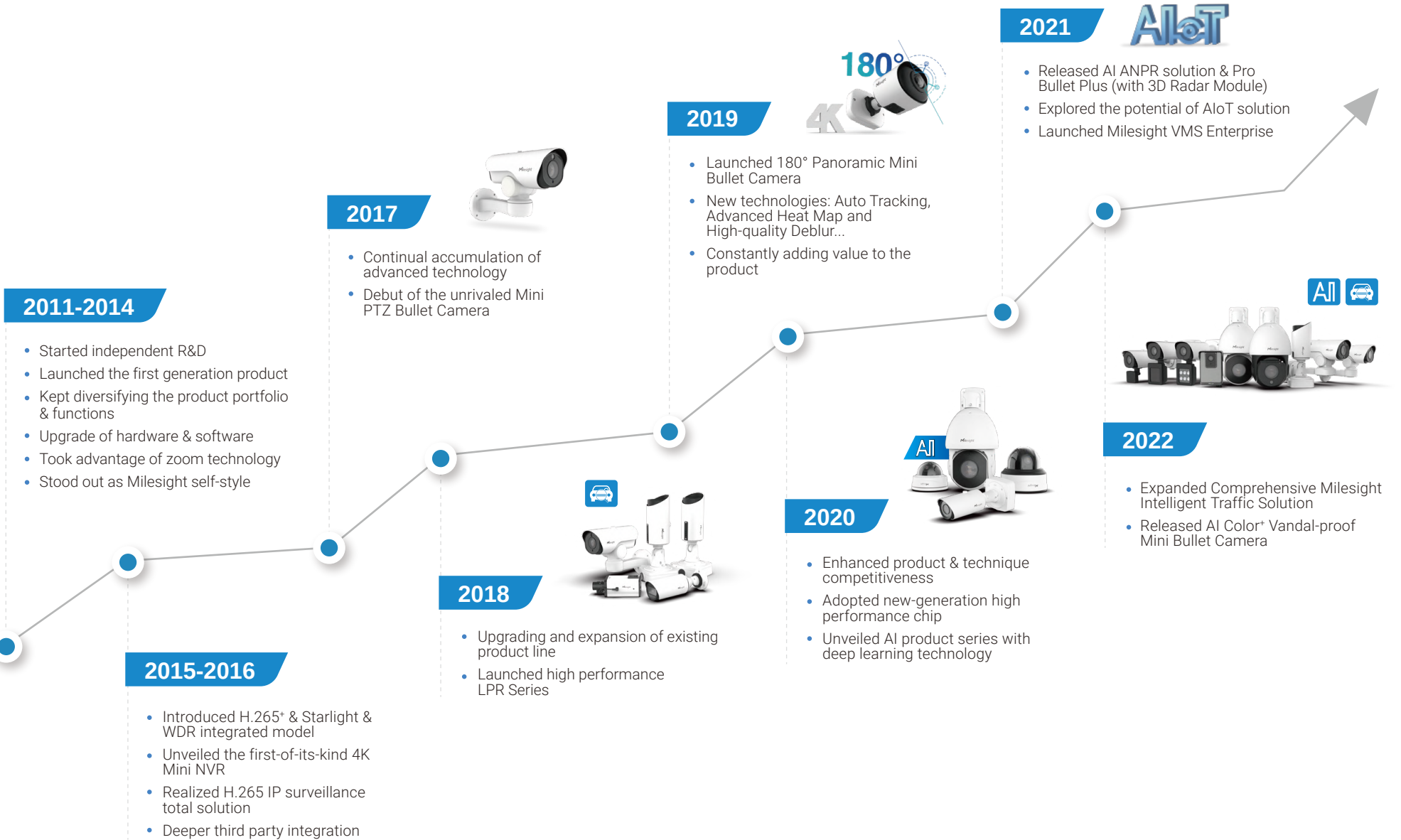
Support

Timely, efficient and diverse support

Innovation

Independent R&D team guarantees innovative technologies

Timeline



Naming Convention

Network Camera

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

MS-C	2	9	66-	R	F	I	PC
	Resolution	Sensor	Camera Type	Advanced Features			
	2 - 2MP	1 - 4K	41 - Speed Dome Camera	T - High Frame Rate (90fps/100fps)			
	5 - 5MP	2 - 4K (1/1.8")	52 - Pro Box Plus Camera	R - High Frame Rate (60fps)			
	8 - 4K	3 - 5MP	67 - PTZ Bullet Plus Camera	S - 20fps@4K Series			
	9 - 12MP	6 - 12MP	66 - Pro Bullet Plus Camera	X - Magnification of the lens			
		8 - 2MP (1/2")	65 - 180° Panoramic Mini Bullet Camera	e.g.: X42 - 42X AF lens			
		9 - 2MP	64 - Vandal-proof Mini Bullet Camera	E - Enterprise Edition			
			63 - Weather-proof Mini Bullet Camera	F - Motorized Vari-focal Lens			
			62 - Pro Bullet Camera	I - P-Iris Supported			
			61 - PTZ Bullet Camera	U - Full-color Supported			
			76 - 180° Panoramic Mini Dome Camera	V - Radar Supported			
			75 - Weather-proof Mini Dome Camera	W - Supplement Light Supported			
			74 - Fisheye Camera	G - 5G Supported			
			73 - Vandal-proof Mini Dome Camera	O - IoT Supported			
			72 - Pro Dome Camera	P - PoE Supported			
			71 - PTZ Dome Camera	A/C/D/E - AI Platform			
			83 - IR Mini Dome Camera				

Note: In a sequence from top to bottom

Intelligent Traffic Camera

[Model]: MS-C2972-RFLPC --- Entrance & Exit AI LPR Pro Dome Camera
TS2866-X4TPC --- AI Road Traffic Pro Bullet Plus Camera
PMC8266-FPC --- AI Outdoor Parking Management Pro Bullet Plus Camera

TS	2	8	66-	X4	T	PC
Series	Resolution	Sensor	Camera Type	Advanced Features		
TS - Traffic Sensing (Camera)	2 - 2MP	2 - 4K (1/1.8")	41 - Speed Dome Camera	T - High Frame Rate (100fps)		
PMC - Parking Management Camera	8 - 4K	8 - 2MP (1/2")	67 - PTZ Bullet Plus Camera	R - High Frame Rate (60fps)		
MS-C - Entrance & Exit Camera		9 - 2MP	66 - Pro Bullet Plus Camera	X - Magnification of the lens		
			64 - Vandal-proof Mini Bullet Camera	e.g.: 36X AF lens		
			61 - PTZ Bullet Camera	F - Motorized Vari-focal Lens		
			72 - Pro Dome Camera	L - LPR Supported		
				V - Radar Supported		
				W - Supplement Light Supported		
				C/E - AI Platform		

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

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

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

Network Video Recorder

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

MS-N	7	032-	U	P	H
	1 - 2*HDD(2.5") or 1*HDD(3.5") 5 - 2*HDD(3.5") 7 - 4*HDD(3.5") 8 - 8*HDD(3.5")	004 - 4-CH 008 - 8-CH 009 - 9-CH 016 - 16-CH 048 - 48-CH 032 - 32-CH 064 - 64-CH	U - 4K	P - PoE	C/E/H - H.265 Compression

Milesight PoE Switch

[Model]: MS-S0224-GL --- Milesight 4-port PoE Switch

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

NDAA COMPLIANT PRODUCTS



NDAA Compliant Products

AI Camera Series ▼

Color+ Camera Series — 07

Mini Camera Series — 08

Pro Camera Series — 15

PTZ Camera Series — 21

Panoramic Camera Series — 25

Intelligent Traffic Camera Series — 27

IoT Device — 37

NVR Series — 39

Software — 41

Accessories — 43



AI MINI CAMERA SERIES

		AI Vandal-proof Mini Dome Camera		
	Model	MS-C2973-(R)PD(2MP)	MS-C5373-PD(5MP)	MS-C8173-PD(4K)
Camera	Appearance			 
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
	WDR	120dB Super WDR		
	Lens	2.8mm/4mm/6mm@F1.6		
	Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 30m		
	Day&Night	Day/Night/Auto/Customize/Schedule		
	S/N	>55dB		
Video	Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40 C ~60 C/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	118.5mmX110.8mmX65mm/500g		

AI MINI CAMERA SERIES

		AI Weather-proof Mini Dome Camera		
	Model	MS-C2975-(R)PD(2MP)	MS-C5375-PD(5MP)	MS-C8175-PD(4K)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
	WDR	120dB Super WDR		
	Lens	2.8mm/4mm/6mm@F1.6		
	Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 25m		
	S/N	>55dB		
Video	Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.		
General	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ108mmX96.5mm/600g (Junction Box Version); Φ106mmX76.5mm/410g (Cable Out Version)		

AI MINI CAMERA SERIES				
AI Motorized Dome Camera				
	Model	MS-C2975-RFPD(2MP)	MS-C5375-FPD(5MP)	MS-C8175-FPD(4K)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR		
	Lens	Motorized 2.7~13.5mm/7~22mm@F1.4		Motorized 2.7~13.5mm@F1.4
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°(2.7~13.5mm)	H99°~H31°/D124°~D38°/V72°~V23°(2.7~13.5mm)	H107°~H33°/D125°~D37°/V58°~V18°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	Built-in Microphone; 1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ130mmX115mm/780g		

AI MINI CAMERA SERIES				
AI Vandal-proof Mini Bullet Camera				
	Model	MS-C2964-(R)PD(2MP)	MS-C5364-PD(5MP)	MS-C8164-PD(4K)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.012Lux@F1.6 B/W: 0Lux with IR on
	WDR	120dB Super WDR		
	Lens	2.8mm/4mm/6mm@F1.6		
	Field of View	H111°/D128°/V61°(2.8mm)	H105°/D131°/V78°(2.8mm)	H110°/D126°/V60°(2.8mm)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 30m		
	S/N	>55dB		
	Max. Image Resolution	30fps@(1920x1080) 60fps@(1920x1080)(Optional for R Series)	30fps@(2592x1944)	30fps@(3840x2160)
Video	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
System	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
	Event Trigger	Motion Detection, Network Disconnection, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Housing	IP67/IK10		
	Dimensions/Weight	97mmX74mmX180mm/610g(Junction Box Version); 64mmX64mmX160mm/450g(Cable Out Version)		

AI MINI CAMERA SERIES				
AI Weather-proof Mini Bullet Camera				
Camera	Model	MS-C2963-RPA(2MP)	MS-C5363-PA(5MP)	MS-C8163-PA(4K)
	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	4mm/2.8mm/6mm@F1.6		
	Field of View	H91°/D106°/V50°(4mm)	H86°/D108°/V63°(4mm)	H91°/D106°/V50°(4mm)
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)		
	Power Supply	PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version)		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ76mmX214.5mm/750g		

AI MINI CAMERA SERIES				
AI Motorized Bullet Camera				
Camera	Model	MS-C2964-RF(I)PA(2MP)	MS-C5364-F(I)PA(5MP)	MS-C8164-F(I)PA(4K)
	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/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°(2.7~13.5mm)	H99°~H31°/ D124°~D38°/V72°~V23°(2.7~13.5mm)	H107°~H33°/D125°~D37°/V58°~V18°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 50m		
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1 (Multi-interface Version)		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
System	Alarm I/O	1/1 (Multi-interface Version)		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, etc.; Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version)		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.; FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version)		
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67/IK10		
	Dimensions/Weight	Φ76mmX239.5mm/825g		



		AI Motorized Pro Dome Camera	
	Model	MS-C2872-R(T)(F)(I)PE(2MP)	MS-C2972-R(T)(F)(I)PE(2MP)
Camera	Appearance		
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR	
	Lens	Motorized 3.6~10mm@F1.4 P-Iris(Optional)	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)
	Field of View	H96°~H42°/D111°~D48°/V55°~V23°	H92°~H32°/D107°~D37°/V51°~V18° (2.7~13.5mm)
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	Up to 50m(3.0~10.5mm/2.7~13.5mm) Up to 90m(7~22mm)
	S/N	>55dB	
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)	
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Network	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, S IP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	Built-in Microphone and 1 Audio Output interface	
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.	
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting	
System	Alarm I/O	1/1	
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67/IK10	
	Dimensions/Weight	Φ143mmX108.4mm/1100g	

16

AI Motorized Pro Bullet Camera				
Camera	Model	MS-C2962-R(T)F(I)PE(2MP)	MS-C5362-F(I)PE(5MP)	MS-C8162-F(I)PE(4K)
	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR	
	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)
	Field of View	H92°~H32°/D107°~D37°/V51°~V18° (2.7~13.5mm)	H89°~H30°/D111°~D37°/V66°~V22° (2.7~13.5mm)	H96°~H33°/ D112°~D37°/ V53°~V18°
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 60m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)		Up to 60m
	S/N	>55dB		
Video	Max. Image Resolution	60fps@(1920x1080) 90fps@(1920x1080)(Optional for T Series)	30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Audio	Audio Compression	G.711/AAC/G.722/G.726		
	Audio I/O	1/1		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.		
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
System	Alarm I/O	1/1		
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark		
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.		
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)		
	Power Supply	PoE (802.3af) / DC 12V±10%		
	Housing	IP67		
	Dimensions/Weight	134mmX126mmX285mm/1080g		

		AI Motorized Pro Bullet Plus Camera				
	Model	MS-C2866-R(T)F(I)PE(2MP)	MS-C2966-R(T)F(I)PE(2MP)	MS-C5366-F(I)PE(5MP)	MS-C8166-F(I)PE(4K)	MS-C8266-F(I)PE(4K)
Camera	Appearance					
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS			1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.012Lux@F1.4 B/W: 0Lux with IR on	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR			120dB Super WDR	
	Lens	Motorized 3.6~10mm@F1.4 P-Iris(Optional)	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)		Motorized 2.7~13.5mm@F1.4 P-Iris(Optional)	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
	Field of View	H100°~H45°/D116°~D51°/ V57°~V25°	H113°~H33°/D130°~D38°/ V60°~V18° (2.7~13.5mm)	H113°~H33°/D138°~D42°/ V83°~V25° (2.7~13.5mm)	H110°~H33°/D118°~D38°/ V60°~V18°	H116°~H48°/D134°~D55°/ V65°~V27°
	Shutter Time	1/100000s~1s				
	IR Distance	Up to 65m	Up to 65m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)		Up to 65m	
	S/N	>55dB				
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG				
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)				
Network	Ethernet	1*RJ45 10M/100M Ethernet Port				
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL				
Audio	Audio Compression	G.711/AAC/G.722/G.726				
	Audio I/O	1/1				
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed				
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.				
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting				
System	Alarm I/O	1/1				
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G				
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark				
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.				
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.				
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)				
	Power Supply	PoE (802.3af) / DC 12V±10%				
	Housing	IP67/IK10				
	Dimensions/Weight	301mmX108mmX98mm/1630g				

AI 4X/12X Pro Bullet Plus Camera					
	Model	MS-C2866-X4R(T)PE(2MP)	MS-C2966-X12R(T)PE(2MP)	MS-C5366-X12PE(5MP)	MS-C8266-X4PE(4K)
Camera	Appearance				
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR		120dB Super WDR	
	Lens	8~32mm, 4X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	8~32mm, 4X Optical Zoom, 16X Digital Zoom
	Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	H44°~H13°/D51°~D15°/V25°~V7°
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 180m			
	S/N	>55dB			
Video	Max. Image Resolution	90fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting&Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing) -60 C ~60 C (Optional for Heater Version)/0~90%(Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V±10%			
	Housing	IP67/IK10			
	Dimensions/Weight	320mmX134mmX126mm/1445.8g	320mmX134mmX126mm/1447g		320mmX134mmX126mm/1445.8g

		AI Pro Box Plus Camera			
	Model	MS-C2852-RPE(2MP)	MS-C2952-RPE(2MP)	MS-C5352-PE(5MP)	MS-C8152-PE(4K)
Camera	Appearance				 
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@F1.2	Color: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2	Color: 0.005Lux@F1.2 B/W: 0.002Lux@F1.2	Color: 0.01Lux@F1.2 B/W: 0.005Lux@F1.2
	WDR	140dB Super WDR		120dB Super WDR	
	Iris	P-Iris/DC-Iris			
	Shutter Time	1/100000s~1s			
	S/N	>55dB			
Video	Max. Image Resolution	60fps@(1920x1080)		30fps@(2592x1944)	30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG			
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40℃~60℃/0~95%(Non-condensing)			
	Power Supply	PoE (802.3af) / DC 12V±10%			
	Dimensions/Weight	130mmX75mmX66mm/366g			

<

		AI 12X/20X/23X PTZ Dome Network Camera			
	Model	MS-C2871-X20TPE(2MP)	MS-C2971-X12R(T)PE(2MP)	MS-C2971-X23R(T)PE(2MP)	MS-C5371-X12PE(5MP)
Camera	Appearance				
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR			120dB Super WDR
	Lens	6.4~128mm, 20X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom	5~117mm, 23X Optical Zoom, 16X Digital Zoom	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom
	Field of View	H60°~H3°/D67°~D4°/V37°~V1°	H61°~H5°/D69°~D5°/V36°~V2°	H60°~H3°/D69°~D4°/ V35°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
	Minimum Working Distance	100/2000mm(Wide/Tele)	1000/1500mm(Wide/Tele)	100/1500mm (Wide/Tele)	1000/1500mm(Wide/Tele)
	Shutter Time	1/100000s~1s			
	IR Distance	Up to 160m			
S/N	>55dB				
PTZ	Pan Range/Speed	360° endless; Pan Manual Speed: 0.1°~450°/s, Pan Preset Speed: 450°/s			
	Tilt Range/Speed	-5°~90° (Auto Flip); Tilt Manual Speed: 0.1°~360°/s, Tilt Preset Speed: 360°/s			
	Preset Quantity	300			
	Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns			
Video	Max. Image Resolution	90fps@(1920x1080)	60fps@(1920x1080), 90fps@(1920x1080)(Optional for T Series)		30fps@(2592x1944)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG			
	Ethernet	16Kbps~16Mbps(CBR/VBR Adjustable)			
Network	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL			
Audio	Audio Compression	G.711/AAC/G.722/G.726			
	Audio I/O	1/1			
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed			
	Face Detection& Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap.			
	People Counting & Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting			
System	Alarm I/O	1/1			
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G			
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark			
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.			
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.			
General	Working Temperature /Humidity	-40°C~-60°C/0~95%(Non-condensing)			
	Power Supply	PoE (802.3at) / DC 12V/3A±10%			
	Housing	IP66/IK10			
	Dimensions/Weight	Φ183mmX174.8mm/2Kg			

		AI 23X/30X/36X/42X Speed Dome Camera				
	Model	MS-C2841-X36TPA 2MP	MS-C2941-X23TPA (2MP)	MS-C2941-X30TPA 2MP	MS-C2941-X42TPA 2MP	MS-C8241-X36PA 4K
Camera	Appearance					
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS			1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.55 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on		Color: 0.005Lux@F1.8 B/W: 0Lux with IR on	Color: 0.009Lux@F1.55 B/W: 0Lux with IR on
	WDR	120dB Super WDR				
	Lens	5.7~205.2mm@F1.55~F4.8, 36X Optical Zoom, 16X Digital Zoom	5~117mm@F1.5~F3.5, 23X Optical Zoom, 16X Digital Zoom	4.7~141mm@F1.5~F4.0, 30X Optical Zoom, 16X Digital Zoom	7~300mm@F1.8~F6.5, 42X Optical Zoom, 16X Digital Zoom	5.7~205.2mm@F1.55~F4.8, 36X Optical Zoom, 16X Digital Zoom
	Field of View	H63°~H3°/D69°~D3°/V38°~V1°	H60°~H3°/D69°~D4°/V35°~V2°	H62°~H3°/D70°~D3°/V37°~V1°	H45°~H2°/D50°~D2°/V27°~V1°	H66°~H3°/D72°~D3°/V41°~V1°
	Minimum Working Distance	1500~1500mm (Wide/Tele)	100~1500mm (Wide/Tele)	100~1500mm (Wide/Tele)	1200~1500mm (Wide/Tele)	1500~1500mm (Wide/Tele)
	Shutter Time	1/100000s~1s				
	IR Distance	Up to 300m	Up to 200m		Up to 300m	
	S/N	>55dB				
PTZ	Pan Range/Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s				
	Tilt Range/Speed	-5°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s				
	Preset Quantity	300				
	Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 Patterns				
Video	Max. Image Resolution	90fps@(1920x1080)				30fps@(3840x2160)
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG				
Network	Ethernet	1*RJ45 10M/100M Ethernet Port				
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL				
Audio	Audio Compression	G.711/AAC/G.722/G.726				
	Audio I/O	1/1				
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed				
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting				
System	Alarm I/O	4/2				
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G				
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark				
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.				
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.				
General	Wiper(Optional)	Support	-	Support	Support	Support
	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)				
	Power Supply	PoE (802.3at) / AC 24V/3A±10%				
	Housing	IP66/IK10(Optional)				
	Surge Protection	6KV				
	Dimensions/Weight	Φ205mmX308mm/4Kg				



		AI 360° Panoramic Fisheye Camera	
	Model	MS-C8274-PA (4K)	MS-C9674-PA(12MP)
Camera	Appearance	4K	12MP
	Image Sensor	1/1.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.8 B/W: 0Lux with IR on	Color: 0.05Lux@F2.8 B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Lens	1.5mm@F1.8	1.98mm@F2.8
	Field of View	Ceiling Mount: 360°; Wall Mount: 180°; Flat Mount: 360°	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 15m	
	S/N	>55dB	
Video	Max. Input Resolution	3840x2160	4000x3000
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Display	Mount Mode	Ceiling Mount/Wall Mount/Flat Mount	
	Display Mode	Fisheye View, 360° Panoramic View, 180° Panoramic View, 4PTZ, Fisheye+3PTZ, Panoramic View+3PTZ, Fisheye+Panoramic View+3PTZ	
Network	Ethernet	1*RJ45 10M/100M/1000M Ethernet Port	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
	Audio I/O	-	Built-in Microphone and Audio Input/ Output interface
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection,Line Crossing, Loitering, Object Left, Object Removed	
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting	
System	Alarm I/O	-	1/1
	Storage	NAS(Support NFS, SMB/CIFS); Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Auto Tracking, Privacy Mask, Heat Map, BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
General	Working Temperature /Humidity	-40 C ~60 C /0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V± 10%	
	Housing	IP67/IK10	
	Dimensions/Weight	Φ140mmX45.4mm/700g	

26

		AI Road Traffic PTZ Bullet Camera		AI Road Traffic PTZ Bullet Plus Camera
	Model	TS2961-X12TPE(2MP)	TS5361-X12PE(5MP)	TS2867-X5TPE(2MP)
Camera	Appearance			
	Image Sensor	1/2.8" Progressive Scan CMOS		1/2" Progressive Scan CMOS
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on	Color: 0.002Lux@F1.7 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR	140dB Super WDR
	Lens	5.3~64mm, 12X Optical Zoom, 16X Digital Zoom		11~55mm, 5X Optical Zoom, 16X Digital Zoom
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	H34°~H8°/D39°~D9°/V20°~V4°
Road Traffic Management	Max. Vehicle Speed	200km/h		
	Recognition Accuracy	>95%		
	Coverage	Support simultaneous detection of 4 regions		
	Country Region Supported	More than 80 countries and regions		
	Illumination Distance	Up to 40m		
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture		
	Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management		
	White/Black List	Up to 1000 records inside the camera		
	LPR Smart Search	Support		
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~50°/s, Pan Preset Speed: 50°/s		360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~25°/s, Tilt Preset Speed: 25°/s		-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s
	Preset/Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 patterns		
Interface	Ethernet	Audio I/O (Optional), Alarm I/O (Optional), PoE (802.3at), DC 12V		Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
Video	Max. Image Resolution	90fps@(1920x1080)	30fps@(2592x1944)	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, HTTP, TCP, ONVIF Profile G & Q & S & T		
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input (Optional), Audio Alarm (Optional), etc.		Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.
General	Housing	IP66		

		AI Road Traffic Speed Dome Camera	
	Model	TS2841-X36TPE (2MP)	TS2841-X36TPE (2MP)
Camera	Appearance		
	Image Sensor	1/2" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.55 B/W: 0Lux with IR on	
	WDR	140dB Super WDR Pro	
	Lens	5.7~205.2mm, 36X Optical Zoom, 16X Digital Zoo	
	Field of View	H63°~H3°/D69°~D3°/ V38°~V1°	
Road Traffic Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	Country Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 50m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Function	Evidence Camera Linkage, Vehicle Counting Based on Vehicle Type, Specific Lane Management	
	White/Black List	Up to 1000 records inside the camera	
	LPR Smart Search	Support	
Interface	Interface	RS485, Audio I/O, 4*Alarm In, 2*Alarm Out, PoE (802.3at), AC 24V	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s	
	Tilt Range/Tilt Speed	-5°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s	
	Preset/Patrol/Pattern	8 Patrols, up to 48 presets each patrol, 4 patterns	
Video	Max. Image Resolution	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, HTTP, TCP, ONVIF Profile G & Q & S & T	
	Event Trigger	Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.	
General	Housing	IP66/IK10(Optional)	IP66
	Wiper	-	Support

AI Road Traffic Parking Detection Pro Bullet Plus Camera		
Camera	Model	TS8266-FPE /P (2MP)
	Appearance	
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Lens	Motorized 3.6~10mm@F1.4
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°
Road Traffic Management	Smart Traffic Function	Parking Detection, Parking Violation Detection
	Detection Space	Support simultaneous detection of 4 parking spaces
		Support simultaneous detection of 2 illegal parking areas
	Recognition Accuracy	98%
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture
	Country Region Supported	More than 80 countries and regions
Interface	Interface	Audio I/O, Alarm I/O, PoE (802.3at), DC 12V
	Max. Image Resolution	30fps@(3840x2160)
Video	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG
	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
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
	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	Event Trigger	Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc
	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)
General	Power Supply	PoE (802.3af) / DC 12V±10%
	Housing	IP67/IK10
	Dimensions/Weight	320mmX134mmX126mm/1630g

			4G Solar-powered Traffic Sensing Camera	
	Model		SC211-NA/EU/AU	
	Appearance		 	
Capture Performance	Capture Rate		≥95%	
	Optimal Capture Distance		6m (With 6mm lens) ; 15m~20m (With 16mm lens)	
	Capture Range		3~15m (With 6mm lens) ; 10~25m (With 16mm lens)	
	Nighttime Illumination Distance		Up to 15m (With 6mm lens) ; Up to 25m (With 16mm lens)	
	Capture Speed		Be recommended to use when the vehicle speed <30km/h (With 6mm lens); Be recommended to use when the vehicle speed <70km/h (With 16mm lens)	
Wireless Network	WLAN		802.11n/802.11b/802.11g	
	Cellular		4G LTE NA: B2/B4/B5/B12/B13/B25/B26 EU: B1/B3/B7/B8/B20/B28 AU: B1/B2/B3/B4/B5/B7/B8/B28/B66	
	SIM Card		Mini SIM	
Camera	Image Sensor		1/2.8" Progressive Scan CMOS	
	Day/Night Mode		Day/Night/Auto	
Lens	Lens		16mm/6mm	
	Field of View		H19.4°/D22.2°/V11° (16mm) H52.8°/D60.4°/V29.7° (6mm)	
Image	Max. Resolution		1920×1080	
	Image Setting		Brightness/Contrast/Saturation/Sharpness	
General	GPS		Built-in High-accuracy GPS Module	
	Radar Working Frequency		24GHz	
	Protocol		MQTT	
	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Solar Power	Power	≥35W	
		OCV	<22V	
		Connector	MC4	
	Direct & Battery Power	Power Supply	USB Type-C	
		Battery	Single Cell Battery: 3.6V, 3200mAh, 10.24Wh Total: 7.2V, 6400mAh, 46.08Wh	
		Battery Life	The power is 70% after 500 times of accumulative charging and discharging	
	Power Consumption		0.33W Normal (Detection Status) 1.35W Normal (Capture Status) 11W MAX (Night Capture Status)	
	Weather Proof		IP66	
	Operational Temperature		-20°C~60°C	
	Weight		612g, 790g (With the Battery)	
	Rain Cover Movement Distance		10mm	
	Dimensions		175mmX111mmX56.7mm(Without Rain Cover)	
	Warranty		2 Years	

AI

Car

Supplement Light

Wiegand

NDAAS

Intelligent Traffic Series

Entrance & Exit Management

Advanced AI LPR Algorithm

Supplement Light for Better Image

Excellent Capture Performance

Plate Management & Search

Evidence Camera Linkage

Wiegand Protocol Supported

Extensive Compatibility

Maximized Flexibility

AI

Car

Supplement Light

Wiegand

NDAAS

Intelligent Traffic Series

Entrance & Exit Management

Advanced AI LPR Algorithm

Supplement Light for Better Image

Excellent Capture Performance

Plate Management & Search

Evidence Camera Linkage

Wiegand Protocol Supported

Extensive Compatibility

Maximized Flexibility

AI

Car

Supplement Light

Wiegand

NDAAS

Intelligent Traffic Series

Entrance & Exit Management

Advanced AI LPR Algorithm

Supplement Light for Better Image

Excellent Capture Performance

Plate Management & Search

Evidence Camera Linkage

Wiegand Protocol Supported

Extensive Compatibility

Maximized Flexibility

ENTRANCE & EXIT MANAGEMENT

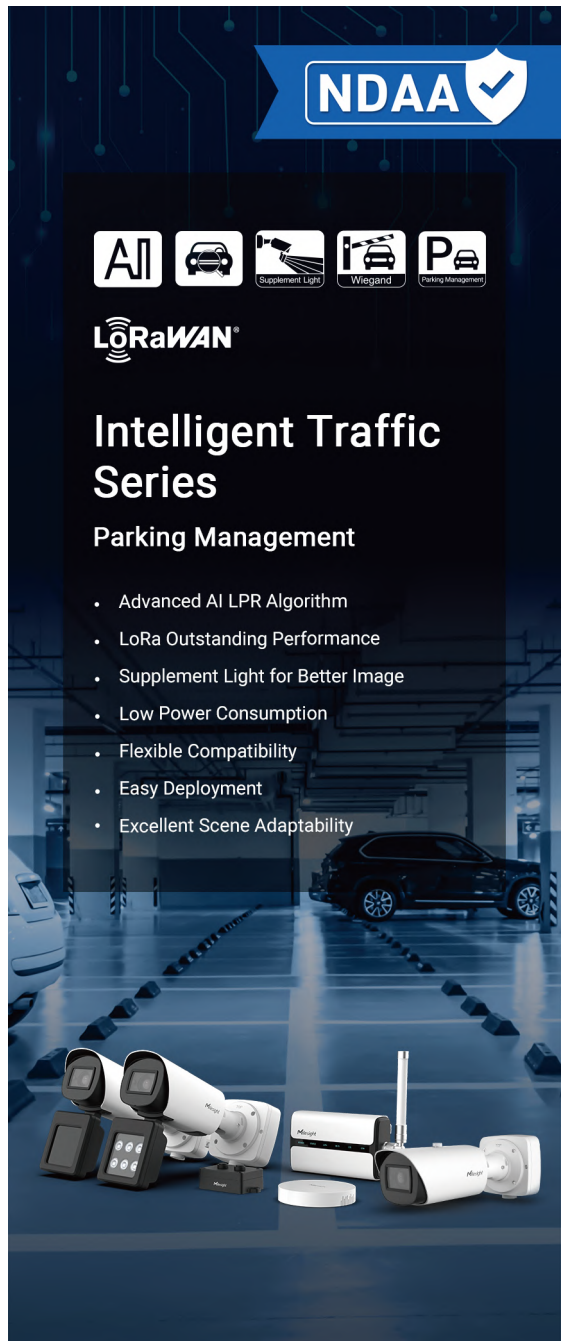
Entrance & Exit AI LPR Bullet Camera					Entrance & Exit AI LPR Pro Dome Camera						
Camera	Model	MS-C2964-RFLPE(2MP)	MS-C5364-FLPE(5MP)	MS-C2972-RFLPE(2MP)							
	Appearance										
	Image Sensor	1/2.8" Progressive Scan CMOS									
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.008Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on							
	WDR	140dB Super WDR	120dB Super WDR	140dB Super WDR							
	Lens	Motorized 2.7~13.5mm@F1.4									
	Field of View	H111°~H34°/D130°~D39° /V60°~V19°	H99°~H31°/ D124°~D38° /V72°~V23°	H115°~H34°/D135°~D39° /V62°~V19°							
Entrance & Exit Management	Max. Vehicle Speed	200km/h									
	Recognition Accuracy	>98%									
	Coverage	Support simultaneous detection of 4 regions									
	Country/Region Supported	More than 80 countries and regions									
	Illumination Distance	Up to 20m									
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture									
	Smart Traffic Function	Evidence Camera Linkage									
	White/Black List	Up to 1000 records inside the camera									
	LPR Smart Search	Support									
Interface	Interface	PoE (802.3af), DC 12V; Audio I/O, Alarm I/O, PoE (802.3af), DC 12V (Multi-interface Version)			Built-in Microphone and 1 Audio Output Interface, Alarm I/O, PoE (802.3af), DC 12V						
Video	Max. Image Resolution	60fps@(1920x1080)	30fps@(2592x1944)	60fps@(1920x1080)							
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG									
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR									
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL									
Audio	Audio Compression	G.711/AAC/G.722/G.726									
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T									
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G									
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark									
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.									
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.									
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)									
	Power Supply	PoE (802.3af) / DC 12V±10%									
	Housing	IP67/IK10									
	Dimensions/Weight	Φ76mmX239.5mm/825g			Φ143mmX108.4mm/1100g						

31

32

COLOR SERIES
MINI SERIES
PRO SERIES
PTZ SERIES
PANORAMIC SERIES
TRAFFIC SERIES
NVR SERIES
SOFTWARE
ACCESSORIES

		Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
	Model	MS-C2966-RFLWPE  (2MP)	MS-C2966-RFLWPE  (2MP)
Camera	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Function	Evidence Camera Linkage	
	White/Black List	Up to 1000 records inside the camera	
Illuminator	LPR Smart Search	Support	
	Supplement Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize	
Interface	Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
Video	Max. Image Resolution	60fps@(1920x1080)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67	
	Dimensions/Weight	320mmX134mmX126mm/1630g 320mmX134mmX231mm/2075g (With Supplement Light)	



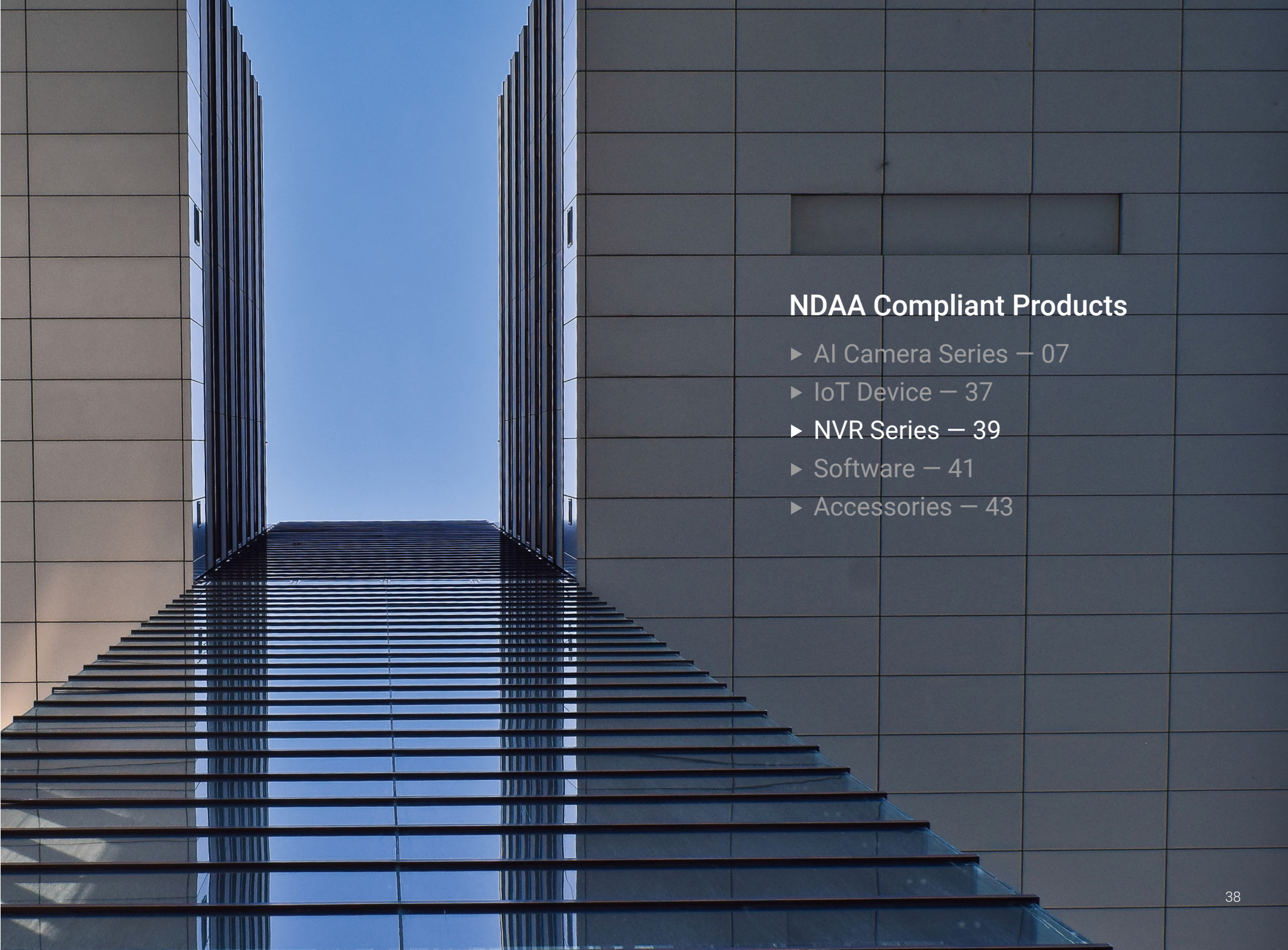
		AI Outdoor Parking Management Pro Bullet Plus Camera	
		Model	PMC8266-FPE(4K)
Camera	Appearance	 	
	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.009Lux@F1.4 B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	Lens	Motorized 3.6~10mm@F1.4	
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°	
	IR Distance	Up to 65m	
Parking Space Management	Parking Space Detection	Up to 100 Parking Spaces@10m	
	Detection Accuracy	>98%	
	Data Report	Triggered Report: when parking space is occupied or released; Interval Report: regular report of entire parking situation	
	Mounting Height	>3.5m	
Video	Max. Image Resolution	30fps@(3840x2160)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Interface	Interface	Audio I/O, Alarm I/O, PoE (802.3af), DC 12V	
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~-60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67/IK10	
	Dimensions/Weight	301mmX108mmX126mm/1630g	

Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera			
	Model	MS-C2966-RFLWPE  (2MP)	MS-C2966-RFLWPE  (2MP)
Camera	Appearance		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	Smart Traffic Function	Evidence Camera Linkage	
	White/Black List	Up to 1000 records inside the camera	
Illuminator	LPR Smart Search	Support	
	Supplement Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize	
Interface	Interface	Wiegand Interface, Audio I/O, Alarm I/O, PoE (802.3at), DC 12V	
Video	Max. Image Resolution	60fps@(1920x1080)	
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR	
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
Audio	Audio Compression	G.711/AAC/G.722/G.726	
System	Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature /Humidity	-40°C~60°C/0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Housing	IP67	
	Dimensions/Weight	320mmX134mmX126mm/1630g	
		320mmX134mmX231mm/2075g (With Supplement Light)	

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

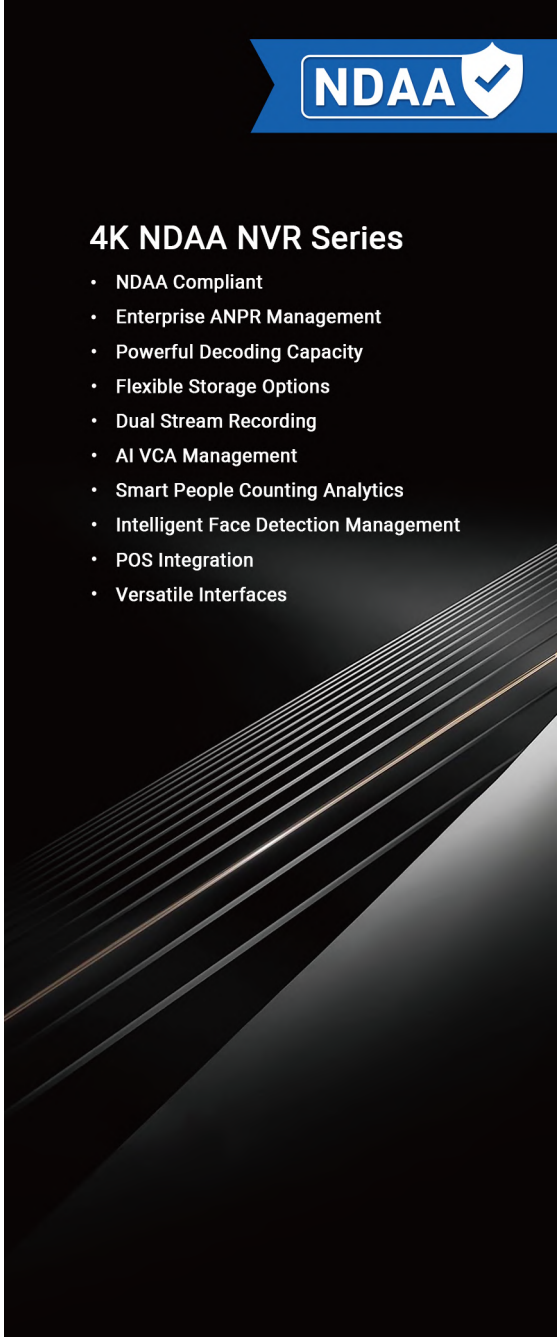
		LoRaWAN® Ultrasonic Distance/Level Sensor	
	Model	EM310-UDL	
Appearance	Appearance		
Wireless Transmission	Technology	LoRaWAN®	
	Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923	
	TxPower	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)	
Measurement	Sensitivity	-137 dBm@300bps	
	Mode	OTAA/ABP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

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



NDAA Compliant Products

- ▶ AI Camera Series — 07
- ▶ IoT Device — 37
- ▶ NVR Series — 39
- ▶ Software — 41
- ▶ Accessories — 43



- NDA Compliant
- Enterprise ANPR Management
- Powerful Decoding Capacity
- Flexible Storage Options
- Dual Stream Recording
- AI VCA Management
- Smart People Counting Analytics
- Intelligent Face Detection Management
- POS Integration
- Versatile Interfaces

39

40

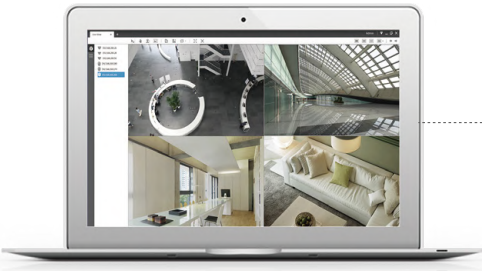
Software



MILEIGHT SMART TOOLS

Search · Configuration · Calculation

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



MILEIGHT CMS

Live View · Playback · Electronic Map

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



MILEIGHT M-SIGHT PRO APP

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

iOS/Android supported

- Support Mileight Cloud Management
- Simultaneously manage Mileight 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 Mileight 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



Mileight Cloud Management

Device Binding · Device Management · Grouping

- Support binding the devices with the cloud accounts via Mileight Cloud
- Device Management and Account Management
- Support sharing the devices with another cloud account
- Support for devices grouping and playing devices by group
- Support Device Transfer
- Support log search

Software

Mileight VMS Enterprise

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



Manage Anytime with
M-VMS Mobile



M-VMS Mobile

Why Mileight VMS Enterprise



Intelligence

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



Excellent Reliability

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



Tailor-made Service Supported

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



High-level Security

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



Great Flexibility

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



User-friendliness

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

Accessories

A01 Pole Mount

Weight:
720g
Dimension:
170*51.5*152.6mm
Applicable Model:
(AI Weather-proof) Mini Bullet,
(AI) Vandal-proof Mini Bullet,
(AI) Vandal-proof Motorized Mini Bullet,
AI PTZ Bullet Plus, AI Color* Vandal-proof Mini Bullet
(AI) 180° Panoramic Mini Bullet & Dome,
A41, A43, A62, A63, A71, A72, A77



A03 External Corner Bracket

Weight:
900g
Dimension:
170*152.5*76.3mm
Applicable Model:
(AI Weather-proof) Mini Bullet,
(AI) Vandal-proof Mini Bullet
(AI) Vandal-proof Motorized Mini Bullet,
AI PTZ Bullet Plus, AI Color* Vandal-proof Mini Bullet
(AI) 180° Panoramic Mini Bullet & Dome
A41, A62, A63, A71, A72, A77



A41 Wall Mount

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



A42 Pendant Mount

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



A42-L Extension Lever

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



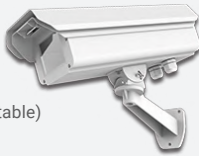
A43 Junction Box

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



A51 Protective Housing

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



A62 Junction Box

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



A63 Junction Box

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



A71 Wall Mount

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



A72 V2 Wall Mount

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



A73 Adapter Plate

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



Accessories

A74 Junction Box

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



AC-71 Smoked Dome Cover

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



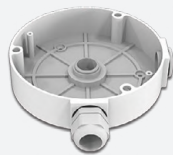
AC-72 Smoked Dome Cover

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



A75 Junction Box

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



A76 V2 Pendant Mount

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



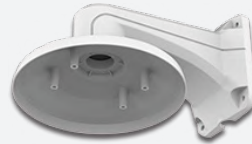
A76-L Extension Lever

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



A77 Wall Mount

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



A78 Recessed Mount

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



A79 Pendant Mount

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



A81 Recessed Mount

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



A82 Recessed Mount

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



A83 Junction Box

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

