MS7002-MBU-IR 2MP Motorized IR Bullet Camera



KEY FEATURES

- Full Metal Housing
- · Motorized Lens 2.8-12mm
- ·Up to 1920x1080@30fps
- ·S+265/H.265/H.264
- ·Min. illumination Color: 0.02Lux@F1.6

- •Smart IR, IR Range: 80m
- $\cdot \text{Support tripwire and perimeter} \\$
- ·Built-in Mic, SD Card Slot, Reset Button
- ·Operating Conditions -40°C~60°C, 0~95% RH
- •POE, IP67

SPECIFICATIONS

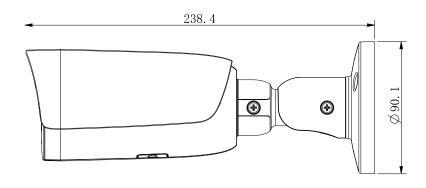
Min. Min.	Camera		
Signal System		1/2 8" CMOS	
Min. Illumination			
Shutter Time 1s to 1/100,000s Day & Night Dual IR Cut Filter with Auto Switch Wide Dynamic Range Digital WIDR Angle Adjustment Bracket, pan 0~360°, till 0~75°, roate 0~360° Lens Free Course Lens Type Motorized Focus 2.8-12mm Lens Mount 014 Aperture F1.6-F3.3. Fixed FOV Horizontal field of view: 105.6°~29° Illuminator II IB LEDs 4 IR Range Up to 80m Wavelength 350m White LEDs/Warmlights N/A Compression Standard Video Bit Rate 32Ktps-6Mbps Video Bit Rate 32Ktps-6Mbps Audio Compression 5.1265/H.265/H.264 Video Bit Rate 351.100 Max. Resolution 1920x1080 Max. Resolution 1920x1080 Main Stream PAL: 25[ss (1920x1080, 1280x720, 704x576, 640x480) Miss: C. 30(ps (1920x1080, 1280x720, 704x480, 640x480) NTSC: 30(ps (704x576, 704x288, 640x360, 352x288) NTSC: 30(ps (704x57			
Day & Night Dual IR Cut Filter with Auto Switch Wide Dynamic Range Digital WDR Angle Adjustment Bracket, pan 0~360°, tilt 0~75°, roate 0~360° Lens Volume Lens Type Motorized Focus 2.8-12mm Lens Mount 914 Aperture F1.6-F3.3, Fixed FOV Horzontal field of view: 105.6°~29° Illuminator IR EDS IR LEDS 4 R Range Up to 80m Wavelength 850mm Wavelength 850mm White LEDs/Warmlights N/A Compression Standard Video Compression Standard Video Compression Standard Video Mittal Video Sit Rate 3K-265/H.265/H.265/H.264 Video Dist Rate 3K-48kbps Image Main Stream 9K-48kbps Max. Resolution 1920x1080 1280x720, 704x576, 640x480) Max. PAL: 25/ps (1920x1080, 1280x720, 704x480, 640x480) NTSC: 30/ps (1920x1080, 1280x720, 704x480, 640x480) Maxis Stream N/A NTSC: 30/ps (1920x1080, 1280x720, 704x480, 640x480)			
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Angle Adjustment Bracket, pan 0~360°, tilt 0~75°, roate 0~360° Lens Type Motorized Focus 2.8 + 12mm Lens Mount 014 Aperture F1.6~F3.3, Fixed FOV Horizontal field of view: 105.6°~29° Illuminator Illuminator IR LEDS 4 IR Range Up to 80m Wavelength 850mm Wavelength 850mm White LEDs/Warnlights N/A Compression Standard Video Compression Video Compression \$+265/H.265/H.264 Video Bit Rate 32Kbps-6Mbps Audio Ocompression G.*116.7*11U/ADPCM Audio Bit Rate 8K-43Kbps Image Mark Resolution 1920x1080 Mar. Resolution 1920x1080 1280x720, 704x576, 640x480 Main Stream PAL: 25/ps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30/ps (1920x1080, 1280x720, 704x576, 640x480) Sub Stream PAL: 25/ps (704x576, 704x288, 640x360, 352x288) NTSC: 30/ps (704x576, 704x288, 640x360, 352x288) NTSC: 30/ps (704x576, 704x280, 640x360, 352			
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Lens Type Motorized Focus 2.8-12mm Lens Mount 414 Aperture F1.8-F3.3, Fixed FOV Horizontal field of view: 105.6°-29° Illuminator Illuminator IR LEDS 4 IR Range Up to 80m Wavelength 850nm White LEDs/Warmlights N/A Compression Standard Video Compression S+265H 265H 264 Video Bit Rate 32K5ps-6Mpps Audio Compression S-105, F1.264 Video Bit Rate 32K-48Kbps Image Main Stream M-285thys (1920x1080) Main Stream PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x576, 640x480) PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x248) NTSC: 30fps (704x480, 704x240, 640x360, 352x240) Third Stream N/A Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions	Angle Adjustment	Bracket, pan 0~360°, tilt 0~75°, roate 0~360°	
Pocus 2.8-12mm	Lens		
Lens Mount	Lens Type	Motorized	
Aperture	Focus	2.8-12mm	
FOV	Lens Mount	Φ14	
Illuminator IR LEDs	Aperture	F1.6~F3.3, Fixed	
R LEDs	FOV	Horizontal field of view: 105.6°~29°	
IR Range	Illuminator		
Wavelength 850nm White LEDs/Warmlights N/A Compression Standard Video Compression \$1+265/H.264 Video Bit Rate 32Kbps-6Mbps Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image Image Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x576, 640x480) Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x576, 704x288, 640x360, 352x284) NTSC: 30fps (704x480, 704x240, 640x360, 352x240) Third Stream N/A Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	IR LEDs	4	
White LEDs/Warmlights N/A Compression Standard S+265/H.265/H.265/H.264 Video Compression \$+265/H.265/H.264 Video Bit Rate 32Kbps~6Mbps Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image Image Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x480, 640x480) Sub Stream NTSC: 30fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x280) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Motion Detection, Mask Alarm, IP Address Conflict Video Analytics	IR Range	Up to 80m	
Compression Standard S+265/H.265/H.264 Video Bit Rate 32Kbps~6Mbps Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image Image Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x480, 640x480) Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Wavelength	850nm	
Video Compression S+265/H.265/H.264 Video Bit Rate 32Kbps-6Mbps Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image Image Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x480, 640x480) Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	White LEDs/Warmlights	N/A	
Video Bit Rate 32Kbps~6Mbps Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image BK.~48Kbps Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480) Sub Stream PAL: 25fps (704×576, 704×288, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Compression Standard		
Audio Compression G.711/G.711U/ADPCM Audio Bit Rate 8K~48Kbps Image Image Max. Resolution 1920x1080 PAL: 25fps (1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (1920x1080, 1280x720, 704x480, 640x480) Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Video Compression	S+265/H.265/H.264	
Audio Bit Rate 8K~48Kbps Image 1920x1080 Max. Resolution 1920x1080, 1280x720, 704x576, 640x480) Main Stream PAL: 25fps (1920x1080, 1280x720, 704x480, 640x480) Sub Stream PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x2280) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16x16, 32x32, 48x48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Video Bit Rate	32Kbps~6Mbps	
Image	Audio Compression	G.711/G.711U/ADPCM	
Max. Resolution 1920x1080 Main Stream PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480) Sub Stream PAL: 25fps (704×576, 704×288, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Audio Bit Rate	8K~48Kbps	
PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480) PAL: 25fps (704×576, 704×288, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream	Image		
Main Stream NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480) Sub Stream PAL: 25fps (704×576, 704×288, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Max. Resolution	1920x1080	
NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480) PAL: 25fps (704×576, 704×288, 640×360, 352×288) NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter		PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480)	
Sub Stream NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Main Stream	NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	
Sub Stream NTSC: 30fps (704×480, 704×240, 640×360, 352×240) Third Stream N/A Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Sub Stream	PAL: 25fps (704×576, 704×288, 640×360, 352×288)	
Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter			
Image Setting Saturation, brightness, contrast, sharpness, adjustable by client software or web browser Image Enhancement BLC/3D DNR/HLC ROI N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Third Stream	N/A	
Image Enhancement BLC/3D DNR/HLC N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter		Saturation, brightness, contrast, sharpness, adjustable by client software or web browser	
N/A OSD 16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions Picture Overlay N/A Privacy Mask Yes, 4 regions Smart Defog Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics N/A Privacy Mask Yes, 4 regions Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Tripwire, Perimeter		BLC/3D DNR/HLC	
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Privacy Mask Yes, 4 regions Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	OSD	16×16, 32×32, 48×48, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions	
Privacy Mask Yes, 4 regions Yes Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Picture Overlay	N/A	
Feature Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Privacy Mask		
Alarm Trigger Motion Detection, Mask Alarm, IP Address Conflict Video Analytics Tripwire, Perimeter	Smart Defog	Yes	
Video Analytics Tripwire, Perimeter	Feature		
	Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	
Early Warning(EW) N/A	Video Analytics	Tripwire, Perimeter	
	Early Warning(EW)	N/A	

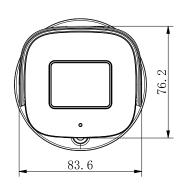
Network

Network		
ANR	N/A	
Protocols	TCP/IP, HTTP, FTP, DHCP, DNS, DDNS, IPV4, NTP, UDP, Telnet, ICMP, RTP, RTSP, UPnP	
System Compatibility	ONVIF (PROFILE S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Profile G)	
Remote Connection	≤7	
Client	Easy7, EasyLive	
Web Version	Web5	
Interface		
Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port	
Audio I/O	Mic in	
Alarm I/O	N/A	
Reset Button	Yes	
On-board storage	Built-in MicroSD card slot, up to 512 GB	
General		
Firmware Version		
Web Client Language	15 languages English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish, Dutch, Hebraism, Arabic, Vietnamese	
Operating Conditions	-40°C~60°C, 0~95% RH	
Power Supply	DC 12V±25%, PoE (802.3af)	
Power Consumption	MAX: 9W (12V) MAX: 10W (PoE)	
Protection	IP67, Lightning protection, surge protection and voltage transient protection meets EN 55035:2017	
Heater	N/A	
Dimensions	239×90×90mm (9.41×3.54×3.54inch)	
Weight	0.93Kg (2.05lb)	

^{*} Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

DIMENSIONS





ACCESSORIES



MS-7A35 CORNER MOUNT



MS-7-P54BM SPEC: V5 JUNCTION BOX



MS-7A36 POLE MOUNT