5G AI Motorized Pro Bullet Plus Network Camera

Milesight

IP67

Motorized Lens

DATASHEET

KEY FEATURES

- ▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- ▶ P2P (Remotely access the camera using 5G network via P2P with hassle-free setup and easy connection.)
- ▶ HLC (High Light Compensation. Improving image visibility under strong light sources.)
- ▶ Defog (Defog technology. Restoring clear images in hazy and foggy weather.)
- ▶ Integrated Cable Management (Combining the power interface, PoE port, and other interfaces in the base neatly.)
- ▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265$^+$ saves 70%~80% bandwidth that of H.264.)

5G Technology

Camera responsiveness and real-time monitoring can be greatly enhanced by the larger bandwidth and lower latency of 5G networks, not to mention a leap in ultra-high-definition video or images. The 5G camera comes with its 5G cellular module, which is fit for some scenarios where wiring is inconvenient, and its higher performance of mobility, security and coverage also bring new opportunities for the industry.

AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

Easy Deployment and Compact Structure

5G antenna is built outside the camera and the 5G module is directly merged inside the camera. By inserting the SIM card, you can monitor in places where network wiring is not convenient. Versatile interface and integrated junction box ensure installation neat and tidy.

Model	MS-C2966-RF(I)GPC (2MP)	MS-C5366-F(I)GPC (5MP)
Camera		
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
WDR	140dB Super WDR	120dB Super WDR
Shutter Time	1/100000s~1s	
IR Distance	Up to 65m(2.7~13.5mm) Up to 100m(7~22mm)	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	
Lens		
Lens	Motorized 2.7~13.5mm/7~22mm@F1.4 P-Iris(Optional)	
Field of View	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)	H113°~H33°/D138°~D42°/V83°~V25° (2.7~13.5mm) H42°~H16°/D53°~D20°/V32°~V12° (7~22mm)
Mount	Φ14	
Focus Control	Auto/Manual	
Iris Control (Optional for I Series)	Auto/Manual	
Video		
Max.Image Resolution	1920x1080	2592x1944
Primary Stream	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)
Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
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	

Category	Subcategory		Value
Mobile Communication Parameter	Wireless Communication		Support 5G/4G/3G
	Frequency Bands	5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n28/n41/n66/n71/n77/n78/n79
		LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21(TBD)/ B25/B26/B28/B29/B30/B32/B66/B71
		LTE-TDD	B34/B38/39/B40/B41/B42/B48
		LAA	B46
		WCDMA	B1/B2/B3/B4/B5/B6/B8/B19
	Wireless Transmission Speed	SA	DL 3.3Gbps; UL 250Mbps
		NSA	DL 3.4Gbps; UL 200Mbps
		LTE	DL 2.0Gbps; UL 150Mbps
		WCDMA	DL 42Mbps; UL 5.76Mbps
	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
Intelligent Analytics	Video Analysis		Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
	Face Detection		Detect and capture faces, get real-time snapshots
	People Counting& Report		Count the number of people entering or exiting, up to 4 detection areas for regional people counting
System	Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function		Heat Map, 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		ONVIF Profile G & Q & S & T, API

General	Working Temperature	-40℃~60℃	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	9W MAX 14W MAX (With IR on)	10W MAX 15W MAX (With IR on)
	Surge Protection	4KV	
	Weather Proof	Up to IP67-rated for Weather-resistant Performance (Only for camera body)	
	Weight	1650g	
	Dimensions	320mmX134mmX126mm 320mmX134mmX208mm (With Antennas)	
	Warranty	3/5 Years	

Category	Specification	MS-C8266-F(I)GPC (4K)
Camera	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
	IR Distance	Up to 65m
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	S/N	>55dB
Lens	Lens	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
	Field of View	H116°~H48°/D134°~D55°/V65°~V27°
	Mount	Φ14
	Focus Control	Auto/Manual
	Iris Control (Optional for I Series)	Auto/Manual
Video	Max.Image Resolution	3840x2160
	Primary Stream	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
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	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

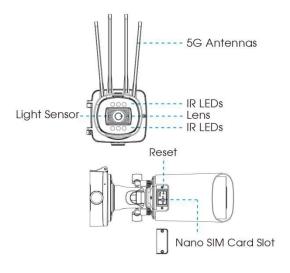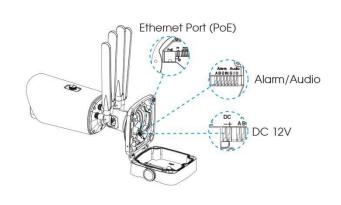|			
Mobile Communication Parameter	Wireless Communication		Support 5G/4G/3G
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		LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21(TBD)/ B25/B26/B28/B29/B30/B32/B66/B71
		LTE-TDD	B34/B38/39/B40/B41/B42/B48
		LAA	B46
		WCDMA	B1/B2/B3/B4/B5/B6/B8/B19
	Wireless Transmission Speed	SA	DL 3.3Gbps; UL 250Mbps
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	SIM Card		Nano SIM
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	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
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	System Compatibility		ONVIF Profile G & Q & S & T, API

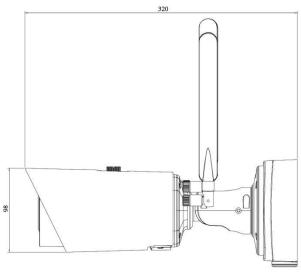| General	Working Temperature	-40℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V±10%
	Power Consumption	10W MAX 16W MAX (With IR on)
	Surge Protection	4KV
	Weather Proof	Up to IP67-rated for Weather-resistant Performance (Only for camera body)
	Weight	1650g
	Dimensions	320mmX134mmX126mm 320mmX134mmX292mm (With Antennas)
	Warranty	3/5 Years

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Structure Diagrams

5G Antennas

Light Sensor
IR LEDs
Lens
IR LEDs

Reset

Nano SIM Card Slot

Ethernet Port (PoE)

Alarm/Audio

DC 12V

320

98

292

134

96

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96
134
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126

126

40

40

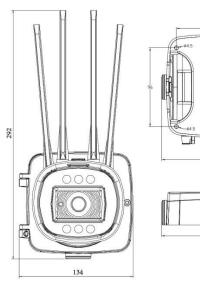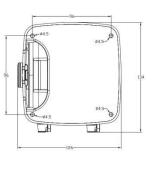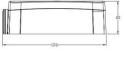**Units: mm**

Accessories Support

A62 Junction Box(Default)

Weight: 510g
Dimensions: 134*126*40mm

A01 Pole Mount

Weight: 720g
Dimensions: 170*51.5*152.6mm

A03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.5*76.3mm