

# AI Color+ Vandal-proof Mini Bullet Network Camera



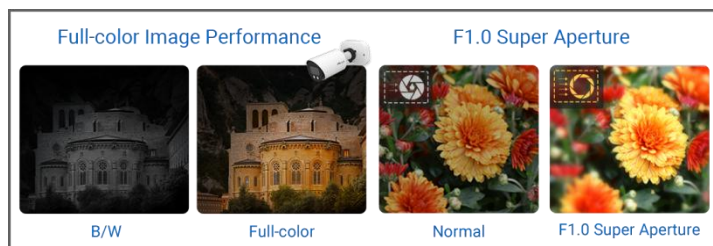
DATASHEET

## KEY FEATURES

- ▶ NDA A Compliance (The fully NDA A-compliant products are well suited for government, defense and a range of projects subject to the NDA A.)
- ▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- ▶ Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- ▶ 1TB (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 1TB.)
- ▶ Adjustable 3-Axis Bracket(Providing a robust mounting platform for angle adjustment on a 3-axis plane.)
- ▶ 0.001Lux Starlight (Deliver high detailed color images even in low light environment reaching 0.001Lux.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)

## Full-color Image Performance & F1.0 Super Aperture

Combined with White LED, the Color+ camera delivers colorful images in the dark or at night for the majority of monitoring scenarios. The design of warm light lamp helps to avoid glare for a better user experience. Large aperture (F1.0) allows more light passes through to the sensor, giving a better low illuminance and high image definition.



## AI Video Analytics

The AI Camera Series can intelligently filter objects to focus on human and vehicle detection in multiple events such as Region Entrance, Region Exiting, Loitering, Advanced Motion Detection, etc.



## 4K Video Viewing Experience

The AI Color+ Network Camera delivers up to 4K resolution (3840\*2160, effectively four times that of Full HD), providing users with ultra-high-definition video viewing experience.



## IP67&IK10

Supporting IP67-rated weather proofing and IK10-rated vandal proof which are the leading level of the industry, the camera is well protected against adverse impact to ensure the performance.



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	Model	MS-C2964-(R)UPD (2MP)	MS-C5364-UPD (5MP)	MS-C8164-UPD (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.001Lux@F1.0 0Lux with White LED on	Color: 0.002Lux@F1.0 0Lux with White LED on	Color: 0.005Lux@F1.0 0Lux with White LED on
	WDR	120dB Super WDR		
	Lens	2.8mm/4mm@F1.0		
	Mount	M12		
	Field of View	H109°/D125°/V61°(2.8mm) H87°/D100°/V49°(4mm)	H104°/D129°/V78°(2.8mm) H81°/D100°/V61°(4mm)	H108°/D125°/V60°(2.8mm) H87°/D101°/V49°(4mm)
	Shutter Time	1/100000s~1s		
	Illumination Distance	Up to 30m		
	S/N	>55dB		
Video	Max. Image Resolution	1920x1080	2592x1944	3840x2160
	Primary Stream	60Hz: <b>60fps@ (1920x1080) (Optional for R Series)</b> , 30fps@ (1920x1080, 1280x960, 1280x720, 704x576) 50Hz: <b>50fps@ (1920x1080) (Optional for R Series)</b> , 25fps@ (1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@ (2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@ (2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	60Hz/50Hz: 30fps@ (3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 30fps@ (704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@ (704x576, 640x480, 640x360, 352x288)		
	Tertiary Stream	60Hz: 30fps@ (1280x720, 704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@ (1280x720, 704x576, 640x480, 640x360, 352x288)		
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
	Privacy Masking	Up to 4 areas		
	ROI	Up to 8 areas		
	Image Setting	Brightness/Contrast/Saturation/Sharpness		

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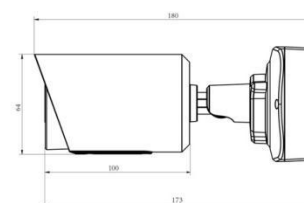
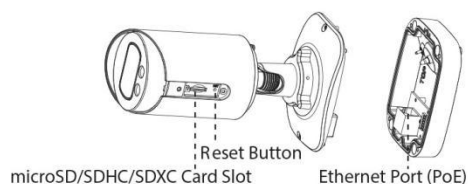
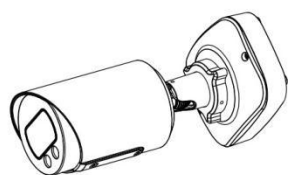
<b>Interface</b>	Ethernet	1*RJ45 10M/100M Ethernet Port		
<b>Network</b>	Network Storage	NAS(Support NFS, SMB/CIFS), ANR		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL/TLS 1.2		
<b>Intelligent Analytics</b>	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		
<b>System</b>	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB		
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur		
	SIP/VoIP Support	Yes, Voice & Video-over-IP		
	Event Trigger	Motion Detection, Network Disconnection, etc.		
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
	System Compatibility	ONVIF Profile G & S & T, API		
<b>General</b>	Working Temperature	-40℃~60℃		
	Working Humidity	0~90%(Non-condensing)		
	Power Supply	PoE (802.3af)		
	Power Consumption	3W MAX 5W MAX (With White LED on)	3W MAX 5W MAX (With White LED on)	4W MAX 6W MAX (With White LED on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance		
	Housing	Vandal-proof IK10-rated Metal Housing		
	Weight	610g (Junction Box Version) / 450g (Cable Out Version)		
	Dimensions	97mmX74mmX180mm (Junction Box Version) / 64mmX64mmX160mm (Cable Out Version)		
	Warranty	3/5 Years		

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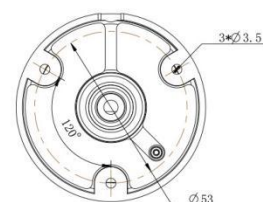
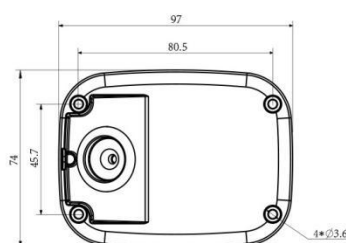
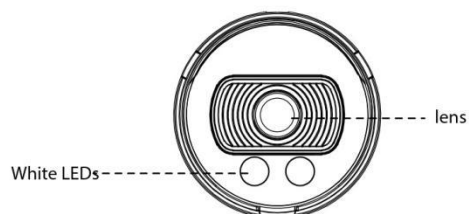
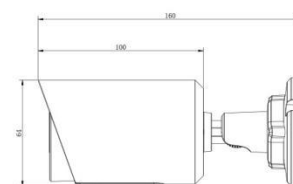
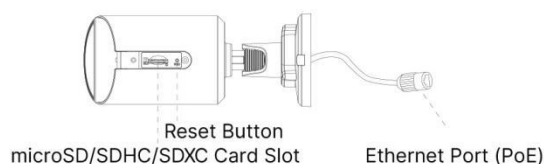
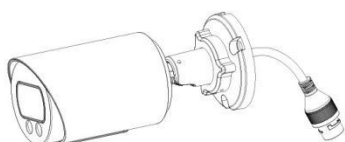


## Structure Diagrams

### Junction Box Version



### Cable Out Version



Units: mm

## Accessories Support

### A01 Pole Mount

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



### A03 External Corner Bracket

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



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