



5G AiOT 4X/12X Pro Bullet Plus Network Camera



FEATURES

SMART IR II

combination of high beam + Low beam to adjust IR intensity to fit different lighting conditions

P2P

remotely access the camera via P2P with hassle-free setup & easy connection

100FPS HIGH FRAME RATE

easier for camera to catch images with no latency despite swift movement

0.005LUX STARLIGHT

deliver high detailed color images even in low light environment

- **HIGH LIGHT COMPENSATION**
improving image visibility under strong light sources
- **DEFOG**
restoring clear images in hazy & foggy weather
- **INTEGRATED CABLE MANAGEMENT**
power interface + PoE port + other interfaces in the base neatly
- **SMART STREAM**
bandwidth, storage & bit rate are saved with Smart Stream On, eg, H.265 saves 70 - 80% bandwidth that of H.264



5G AIoT 4X/12X Pro Bullet Plus Network Camera

SPECIFICATIONS

Camera

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
WDR	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
Shutter Time	1/100000s~1s	
IR Distance	Up to 180m	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	
Lens	5.3~64mm, 12X Optical Zoom	8~32mm, 4X Optical Zoom
Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H44°~H13°/D51°~D15°/V25°~V7°
Mount	φ14	
Focus Control	Auto/Manual	
Aperture	F1.6~F2.8	F1.6-F1.7
Iris Control	Auto	

Video

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
Max. Image Resolution	1920x1080	3840x2160
Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series), 60fps @(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series), 50fps @(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 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)	



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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

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
Ethernet	1*RJ45 10M/100M Ethernet Port	
Audio I/O	1/1	
Alarm I/O	1/1	

Mobile Communication Parameter

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
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	GNSS	GPS/GLONASS/BeiDou/Galileo
	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	

LoRaWAN®

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
Antenna	1*50ΩSMA-Female External Antenna Connector	
Channel	8 channels simultaneously	
Demodulation	1Mhz	



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Frequency Band CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923/AS923-2

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

Communication Range Up to 15km

Network

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
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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

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
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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

4/6

Intelligent Analytics

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
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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

Model	MS-C2966-X12R(T)GOPC (2MP)	MS-C8266-X4GOPC(4K)
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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 IoT Sensor Alarm, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.



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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

Model

MS-C2966-X12R(T)GOPC (2MP)

MS-C8266-X4GOPC(4K)

Working Temperature -40°C~60°C

Working Humidity 0~90%(Non-condensing)

Power Supply PoE (802.3at) / DC 12V±10%

Power Consumption 0~90%(Non-condensing)

Power Consumption	10W MAX 12WMAX 16W MAX (With IR on)	12WMAX 18WMAX (With IR on)
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Surge Protection 4KV

Weather Proof Up to IP67-rated for Weather-resistant Performance (Only for camera body)

Weight 1636g

Dimensions 320mmX134mmX126mm
320mmX134mmX292mm (With Antennas)

Warranty 3/5 Years



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DIMENSIONS (MM)

