























### **Key Features**

- NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- 60fps High Frame Rate (Camera can easily catch images with no latency despite of the high-speed movement.)
- IR LEDs & White LED (Enable distinct at night with IR LEDs as well as express alarm and deliver colorful surveillance with the White LED.)
- Smart PTZ Motion Detection (Pan and tilt to the position of motion detected area automatically and zoom in synchronously.)
- 300 Preset Positions (The user can easily control the lens position via mouse to monitor interested area and set up to 300 preset positions for patrolling.)
- Keyboard Control (Shortcut keys for PTZ control via Keyboard.)
- Smart Stream (Bandwidth, storage and bit rate save with Smart Stream ON, e.g. H.265+ save 70%~80% bandwidth of H.264.)

#### Al Video Analytics

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



### 12X Optical Zoom

The 12X optical zoom can zoom up to distant subjects while still maintaining the clarity, delivering high quality video over the entire zoom range.



#### 140dB Super WDR

It allows the camera to catch better images regardless of object distance with High Beams and Low Beams whose brightness could be adjusted manually or automatically. Also, the innovative IR Anti-reflection Panel protects the lens from IR interference.



#### Flexible Installation Modes

With two installation modes of Wall Mount and Pedestal Mount, the PTZ camera, to a greater extent, meets different installation needs for different application scenarios.



# AI 12X PTZ Bullet Network Camera



	Model	MS-C2961-X12R(T)PE	MS-C5361-X12PE	
Camera		(2MP)	(5MP)	
	Image Sensor	1/2.8" Progressive Scan CMOS		
	Min. Illumination	Color: 0.005Lux@F1.6	Color: 0.008Lux@F1.6	
		B/W: OLux with IR on	B/W: OLux with IR on	
	WDR	140dB Super WDR 120dB Super WDR		
	Shutter Time	1/100000s~1s		
	DORI Distance	D: 82.5~996m	D: 110~1330m	
	IR Distance	Up to 140m		
	Digital Zoom	16X		
	Day/Night Mode	Day/Night/Auto/Customize/Schedule		
	S/N	>55dB		
	Focal Length	5.3~64mm, 12X Optical Zoom		
	Zoom Speed	Approx 4s (Wide-Tele)		
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°	
Lens	Focus Control	Auto/Semi-	-Auto/Manual	
	Minimum Working Distance	1000/1500mm (Wide/Tele)		
	Aperture	F1.6~F2.8		
	Iris Control	Auto		
	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~50°/s, Pan Preset Speed: 50°/s		
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~25°/s, Tilt Preset Speed: 25°/s		
	Proportional Zoom	Support		
	Preset Quantity	300		
PTZ	Patrol	8 Patrols, up to 48 presets each patrol		
	Pattern	4 Patterns		
	Auto Tracking	Support		
	Power Off Memory	Support		
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position		
	Max. Image Resolution	1920x1080	2592x1944	
		60Hz: 90fps@(1920x1080)(Optional for T Series),	60Hz: 30fps@(2592x1944, 2592x1520), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960,	
	Driman, Ctraan	60fps@(1920x1080, 1280x960, 1280x720, 704x576)	1280x720, 704x576)	
	Primary Stream	50Hz: 90fps@(1920x1080)(Optional for T Series),	50Hz: 25fps@(2592x1944, 2592x1520 ),	
		50fps@(1920x1080, 1280x960, 1280x720, 704x576)	45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
		60Hz: 60fps@(704x576, 640x480, 640x360,	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288,	
Video	Secondary Stream	352x288, 320x240)	320x240)	
	·	50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)	50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240)	
		60Hz: 30fps@(1920x1080, 1280x720, 704x576,	60Hz: 30fps@(2048x1536, 1920x1080, 1600x1200,	
	Tertiary Stream	640x480, 640x360, 320x240)	1280x720, 704x576, 640x480, 640x360, 320x240)	
		50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240)	50Hz: 25fps@(2048x1536, 1920x1080, 1600x1200, 1280x720, 704x576, 640x480, 640x360, 320x240)	
	Video Compression	H.265 <sup>+</sup> /H.265(HEVC)/H.264 <sup>+</sup> /H.264/MJPEG		
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		

## AI 12X PTZ Bullet Network Camera



Image	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)		
	ROI	Up to 8 areas		
	Image Setting	Brightness/Contrast/Saturation/Sharpness		
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AGC, Defog, AWB, Deblur, Anti-flicker, Corridor Mode, LDC		
	Ethernet	1*RJ45 10M/100M Ethernet Port		
Interface	Audio I/O	1/1 (Optional)		
	Alarm I/O	1/1 (Optional)		
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,TLS 1.2		
	Audio Compression	G.711/AAC/G.722/G.726		
Audio	Audio Sampling Rate	8/16/32/44.1/48KHz		
	Audio Bit Rate	16~256kbps		
		VCA 2.0: Intrusion Detection, Region Entrance,	Region Exiting, Advanced Motion Detection,	
	Video Analysis	Line Crossing, Loitering, Object Left, Object Removed		
		Simultaneously detect up to 50 targets and capture humans and vehicles in real time.		
	Attribute Extraction	Recognize attributes including Upper and Lower Clothing Color, Hat, and Vehicle Types (Bicycle, Car,		
Intelligent		Motorcycle, Bus, Truck, E-scooter).		
Analytics	Face Detection&Face Attribute Recognition	Detect and capture faces, get real-time snapshots;		
		The attributes include Age, Gender, Glasses, Mask and Cap;		
	Object Counting &	Support Faces Privacy Mode, the detected faces in the face detection area will be mosaic automatically.  Count the number of objects crossing the line, optionally human and vehicle,		
	Report	Support regional people counting for up to 4 detection areas		
	<u> </u>	Motion Detection, Tamper Detection, Network Disconnection, External Input (Optional), Audio Alarm		
	Basic Event	(Optional), etc.		
Event	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error,		
		No SD Card, Watermark  FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion,		
	Event Action	HTTP Notification, etc.		
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB		
System	SIP/VoIP Support	Yes, Voice & Video-over-IP		
	System Compatibility	ONVIF Profile G & M & S & T, API		
	Working Temperature	-40°C~60°C		
	Working Humidity	0~95%(Non-condensing)		
	Power Supply	PoE (802.3at) / DC 12V/2A±10%		
	Power Consumption	Min.: 10.5W (DC 12V), 12.2W(PoE)	Min.: 12W (DC 12V), 13.4W(PoE)	
General		Max.: 18.3W (DC 12V), 20.2W(PoE)	Max.: 17.2W (DC 12V), 19.3W(PoE)	
	Weight	2Kg (Wall Mount) / 1.8Kg (Pedestal Mount)		
	Dimensions	105mmX292mmX207mm (Wall Mount) / 218mmX120mmX172mm (Pedestal Mount)		
	Warranty	2 Years / 3 Years (Optional)		
vvariality		2 years / 3 years (Uptional)		

# AI 12X PTZ Bullet Network Camera

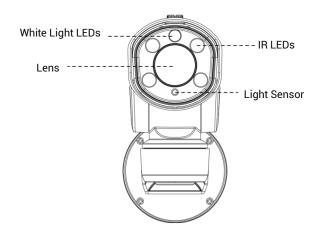


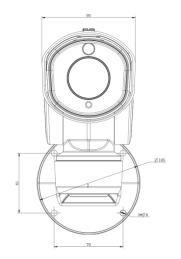
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B)
	Safety	CE-LVD (EN IEC 62368-1)
	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)
	Protection	IP66

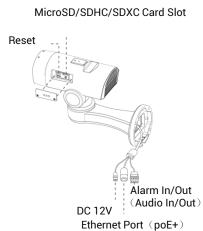


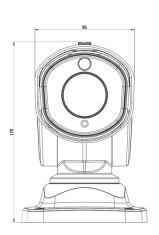
### **Structure Diagrams**

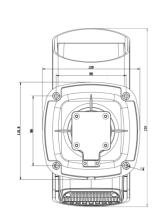
#### Wall Mount:

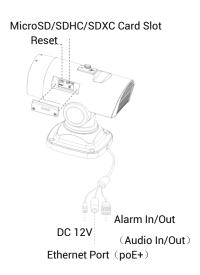












## **Accessories Support**

A02 V2 Pole Mount

Weight: 1kg

Dimensions: 180\*136\*46mm



**A03 External Corner Bracket** Weight: 900g

Dimensions: 170\*152.5\*76.3mm



**A62 Junction Box** Weight: 510g

Dimensions: 134\*126\*40mm



