AI 12X Mini PTZ Bullet Network Camera

Milesight

IP66

AF Lens

DATASHEET

AI | **H.265+ HEVC** | Starlight | **Super WDR** | **IR** | Weather-proof

Privacy Masking | SDXC | PoE | GQST Onvif

KEY FEATURES

▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)

▶ 100fps 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 Milesight Keyboard.)

▶ Smart Stream (Bandwidth, storage and bit rate save with Smart Stream ON, e.g. H.265+ save 70%~80% bandwidth of H.264.)

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.

3 in 1 Super WDR Pro - 140dB & 0.002Lux Ultra Low-light

140dB Super WDR Pro combines 3 frames with multiple exposures to get the optimal images especially moving subjects in high contrast lighting situations. Meanwhile, Milesight cameras can capture full-color images in extremely low-light conditions reaching 0.002Lux without extra light supplement.

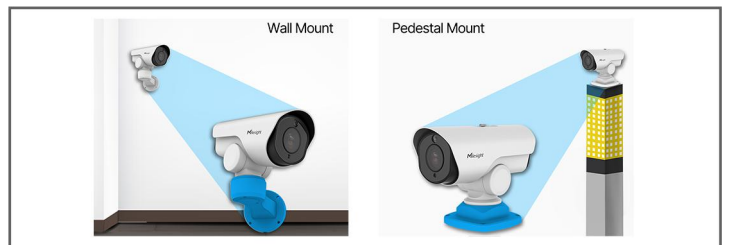Milesight Super WDR ON | Ultra Low-light

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.

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.

Wall Mount | Pedestal Mount

	Model	MS-C2961-X12R(T)PC (2MP)	MS-C5361-X12PC (5MP)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@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 140m	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	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°
	Focus Control	Auto/Semi-Auto/Manual	
	Minimum Working Distance	1000/1500mm (Wide/Tele)	
	Aperture	F1.6~F2.8	
	Iris Control	Auto	
PTZ	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	
	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	
Video	Max. Image Resolution	1920x1080	2592x1944
	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@(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 (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
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	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 (Optional), Audio Alarm (Optional), etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, 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/2A±10%
	Power Consumption	15W MAX / 20W MAX (With IR on) 14W MAX / 20W MAX (With IR on)
	Weather Proof	Up to IP66-rated for Weather-resistant Performance
	Weight	2Kg (Wall Mount) / 1.8Kg (Pedestal Mount)
	Dimensions	160mmX273.5mmX210mm (Wall Mount) / 218mmX120mmX172mm (Pedestal Mount)
	Warranty	2 Years / 3 Years (Optional)

V8.0

Structure Diagrams

Wall Mount:

White Light LEDs

IR LEDs

Lens

Light Sensor

95

Ø105

61

4*Ø6

70

microSD/SDHC/SDXC Card Slot

Reset

Alarm In/Out (Audio In/Out)

DC 12V

Ethernet Port (PoE+)

Pedestal Mount:

95

172

120

86

118.8

86

239

Micro SD/SDHC/SDXC Card Slot

Reset

DC 12V   Alarm In/Out (Audio In/Out)

Ethernet Port (PoE+)
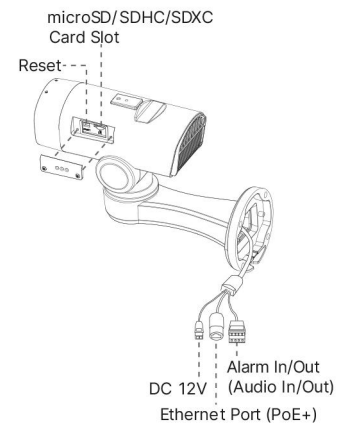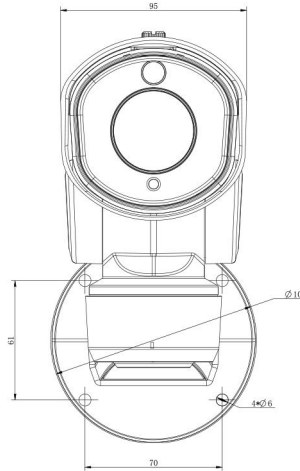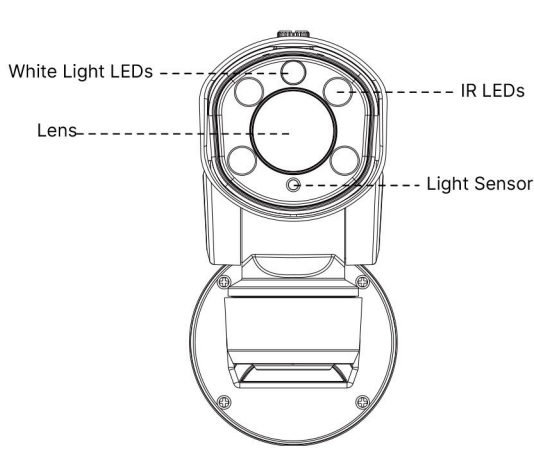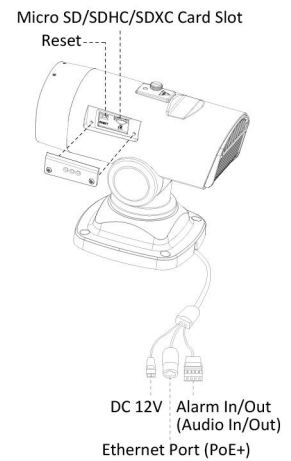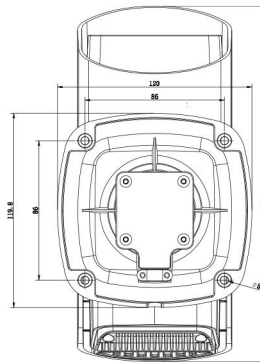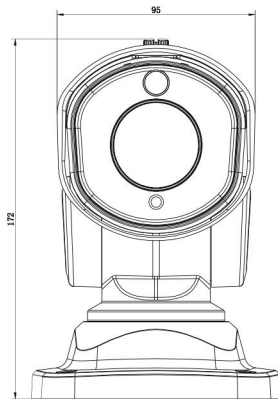
Units: mm

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

A62 Junction Box

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