Milesight

2 Megapixel LPR 12x H.265 Mini (PoE) PTZ Bullet Network Camera

H.265+ HEVC | Starlight | Super WDR | IR | Weather Proof | Privacy Masking

SDXC | PoE | Profile S/G Onvif | VCA

IP66

AF Lens

MS-C2961-(Q)(R)EL(P)B

KEY FEATURES

▸ **Smart Stream** (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)

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

▸ **0.002Lux Starlight** (Deliver high detailed color images even in low light environment reaching 0.002Lux.)

▸ **Video Content Analysis** (With 10 detection modes, VCA greatly enhances the performance bringing comprehensive surveillance functions.)

▸ **Smart PTZ Motion Detection** (Pan and tilt to the position of motion detected area automatically and zoom in synchronously.)

▸ **255 Preset Positions** (The user can easily control the lens position via mouse to monitor interested area and set up to 255 preset positions for patrolling.)

▸ **Keyboard Control** (Shortcut keys for PTZ control via Milesight Keyboard.)

▸ **Breathable Screw-in Vent** (High weather-proof and air permeable performance to reduce fogging, condensation and eliminate moisture.)

License Plate Recognition

Embedded in camera with no PC server required, the LPR allows network cameras to capture real-time license plate in both the highest levels of glare and the darkest hours of the night.
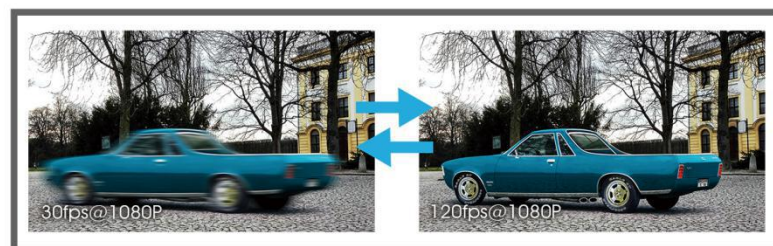
120fps

With the industry leading frame rate reaching 120fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.

30fps@1080P   120fps@1080P

3 in 1 Super WDR Pro - 140dB

Milesight upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.

3 in 1 Super WDR Pro   Regular WDR

Flexible Installation Modes

Wall Mount   Pedestal Mount

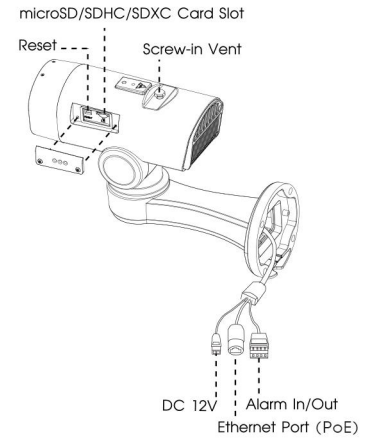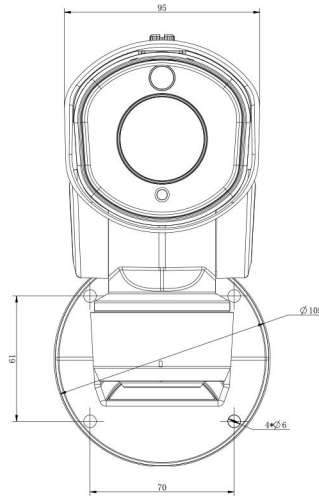With two installation modes of Wall Mount and Pedestal Mount, the PTZ camera, to a greater extent, meets different installation needs for different application scenarios.

LPR 12x H.265 Mini (PoE) PTZ Bullet Network Camera

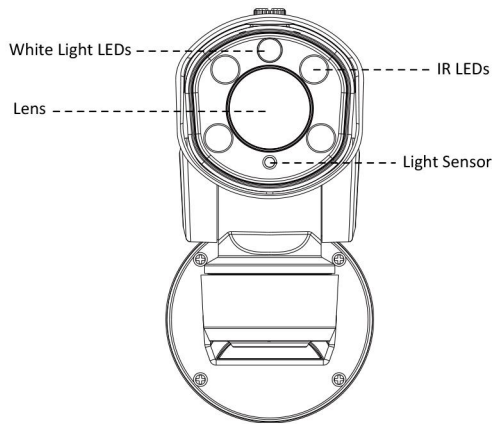| Model	MS-C2961-(Q)(R)EL(P)B(2MP)		
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	
	WDR	140dB Super WDR **(Super WDR Pro is optional for Q Series)**	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 100m	
	Digital Zoom	16x	
	Day&Night	ICR Filter Auto Switch	
	Max. Vehicle Speed	120km/h	
Lens	Focal Length	5.3~64mm, 12x Optical Zoom	
	Zoom Speed	3.1s	
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	
	Minimum Working Distance	1000~1500mm (Wide-Tele)	
	Aperture	F1.6~F2.8	
PTZ	Pan Range	360°endless	
	Pan Speed	Pan Manual Speed: 0.2°~60°/s, Pan Preset Speed 100°/s	
	Tilt Range	-45°~30°	
	Tilt Speed	Tilt Manual Speed: 0.2°~30°/s, Tilt Preset Speed 60°/s	
	Proportional Zoom	Support	
	Preset Quantity	255	
	Preset Freezing	Support	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Power Off Memory	Support	
	PTZ Position Display	ON/OFF	
	3D Positioning	Support	
Video	Max. Image Resolution	1920x1080	
	Primary Stream	**120fps@(1920x1080)(Optional for Q Series),** 60fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	Secondary Stream	**120fps@(704x576)(Optional for Q Series),** 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x176)	
	Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x176)	
	Video Compression	H.265⁺/H.265(HEVC)/H.264⁺/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Network	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Network Storage	NAS(Support NFS, SMB/CIFS)	
	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
System	Alarm I/O	1/1	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 128G	
	Advanced Function	**Auto Tracking**, Motion Detection, Privacy Masking, Backlight Compensation, HLC, 2D DNR, 3D DNR, ROI, Anti-fog, White Balance, EIS, IP Address Filtering	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Motion Detection, Network Disconnection, External Input, etc.	
	Event Action	FTP Upload/ SMTP Upload/ SD Card Record/ External Output/ SIP Phone/ White LED/ PTZ Motion	
	License Plate Recognition	Support	
	Video Analysis (Optional)	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed	
	System Compatibility	ONVIF Profile S & G	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	DC 12V/2A±10% / PoE (802.3at)(Optional)	
	Power Consumption	10.5W 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	

V7.12

Structure Diagrams

Wall Mount:

- White Light LEDs
- Lens
- IR LEDs
- Light Sensor

95

Ø105

61

70

4×Ø6

microSD/SDHC/SDXC Card Slot
Reset
Screw-in Vent

DC 12V
Ethernet Port (PoE)
Alarm In/Out

Pedestal Mount:

119.9

95

219

96

96

126

ø4.5
ø4.5
ø4.5

134

40

126

40
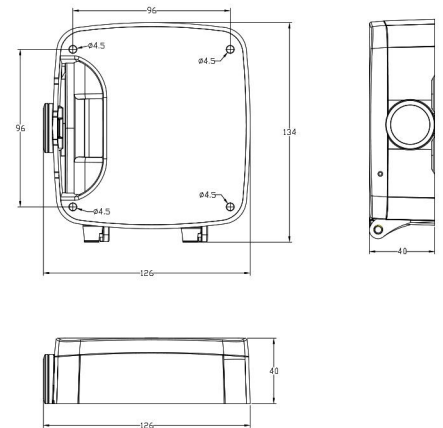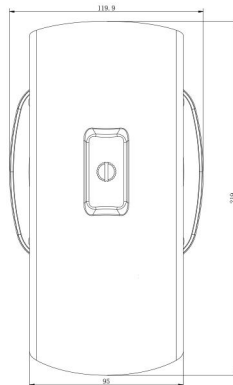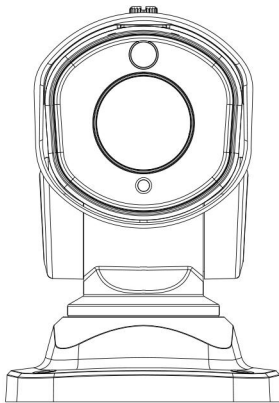
Units: mm

Accessories Support

A01 Pole Mount

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

A62 Junction Box

Weight: 510g
Dimensions: 134*127*40mm

Naming Convention

MS-C	2	9	61-	R	E	L	P	B
	2 - 2MP	Sensor	Mini PTZ Bullet	R - High Frame Rate (60fps) (Q - High Frame Rate (120fps))	Enterprise Edition	LPR	PoE	H.265