Milesight

4K 12x H.265 Mini PTZ Bullet Network Camera

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

SDXC | **POE** | **Profile S G T Onvif** | **VCA**

IP66

AF Lens

MS-C8161-(H)E(P)B

KEY FEATURES

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

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

▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)

▶ 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.)

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.
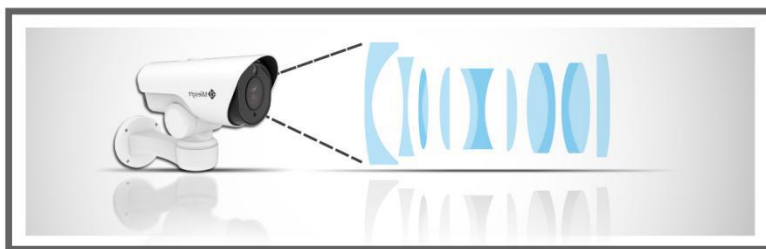
12x Optical Zoom

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.
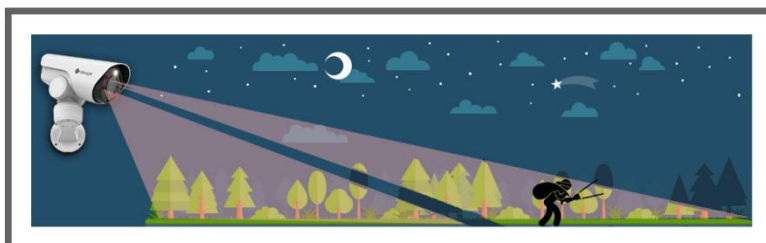
IR LEDs & White LED

Enable 100 meters distinct images at night with IR LEDs as well as express alarm and deliver colorful surveillance with the White LED.
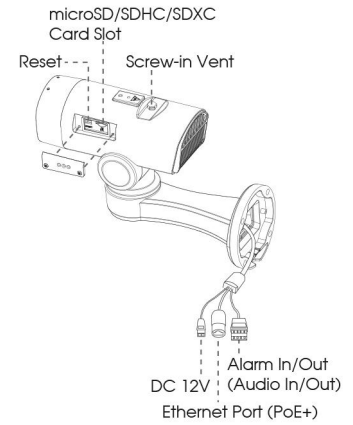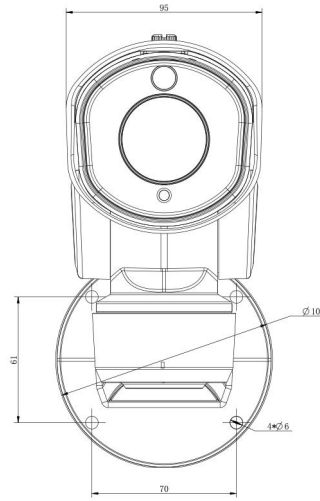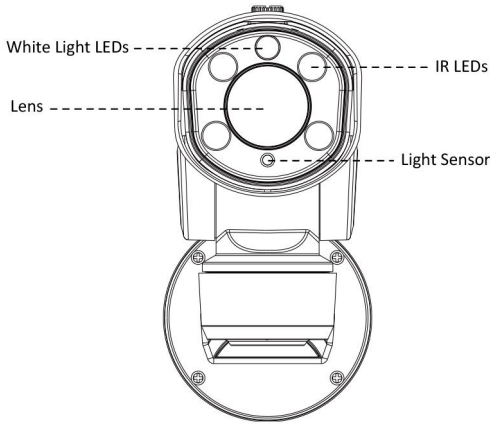
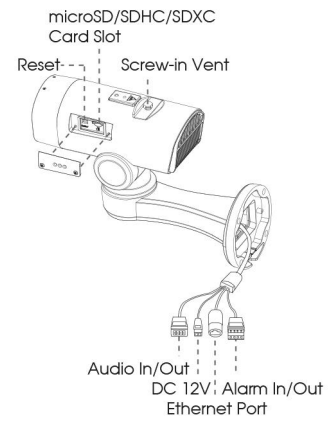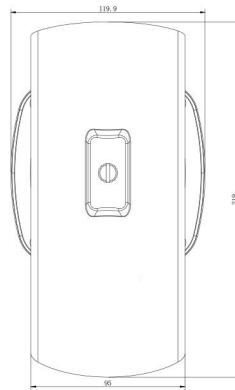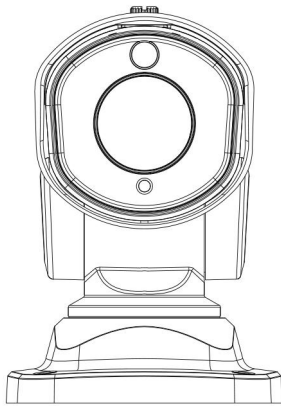| Camera	Model	MS-C8161-(H)E(P)B
	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Shutter Time	1/100000s~1s
	IR Distance	Up to 140m
	Digital Zoom	16x
	Day&Night	ICR Filter Auto Switch
	S/N	>55dB
Lens	Focal Length	5.3~64mm, 12x Optical Zoom
	Zoom Speed	3.1s
	Field of View	H62°~H5°/D69°~D5°/ V37°~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	3840x2160
	Primary Stream	**30fps@(3840x2160)(Optional for H Series)**, 15fps@(3840x2160), 30fps@(3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	30fps@(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
Audio	Audio Compression	G.711/AAC
	Audio I/O	1/1 (Optional)
System	Alarm I/O	1/1 (Optional)
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	Auto Tracking, Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
	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.
	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 & T
General	Working Temperature	-40℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3at) (Optional) / DC 12V/2A±10%
	Power Consumption	10.9W MAX / 13.7W 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)

V7.17

4K 12x H.265 Mini PTZ Bullet Network Camera

Structure Diagrams

Wall Mount：

White Light LEDs

IR LEDs

Lens

Light Sensor

95

Ø 105

61

70

4*Ø 6

microSD/SDHC/SDXC Card Slot

Reset

Screw-in Vent

DC 12V

Alarm In/Out
(Audio In/Out)

Ethernet Port (PoE+)

Pedestal Mount：

119.9

219

96

microSD/SDHC/SDXC Card Slot

Reset

Screw-in Vent

Audio In/Out

DC 12V

Alarm In/Out

Ethernet Port

Units: mm

Accessories Support

A01 Pole Mount

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

A03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.6*76.3mm

A62 Junction Box

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

Naming Convention

MS-C	8	1	61-	H	E	P	B
	8 - 4K	Sensor	Mini PTZ Bullet	H - 30fps@4K Series	Enterprise Edition	PoE	H.265