Milesight

AI 5X/20X/23X Mini PTZ Bullet Plus Network Camera

NDAA

IP66

AF Lens

AI · H.265+ HEVC · Starlight · Super WDR · IR · Privacy Masking · SD XC · PoE · GQST Onvif

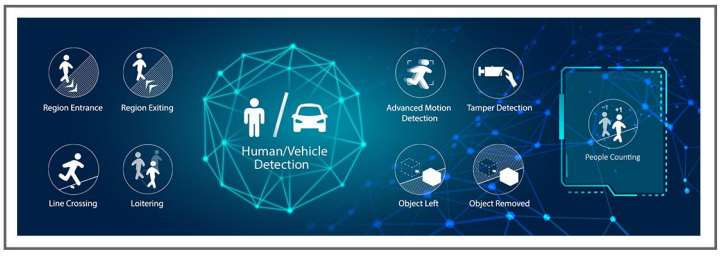
DATASHEET

KEY FEATURES

- NDAA Compliance (Milesight 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 for different lighting conditions with the IR distance up to 180m.)
- 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- 0.001Lux Starlight (Deliver high detailed color images even in low light environment reaching 0.001Lux.)
- 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.)
- New-generation PTZ Motor (The new generation motor is designed with sophisticate planetary gear drive to ensure smooth turning and robust performance.)
- Versatile Interfaces (A whole array of ports including PoE, DC, Audio I/O and Alarm I/O offers more choices for easy management and various needs.)
- Smart Stream (Bandwidth, storage and bit rate save with Smart Stream ON, e.g. H.265+ save 70%~80% bandwidth of H.264.)

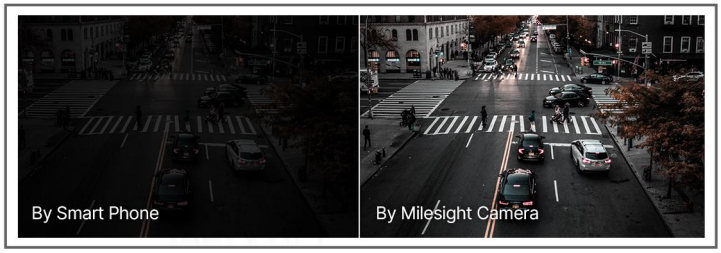
AI Video Analytics

- 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.



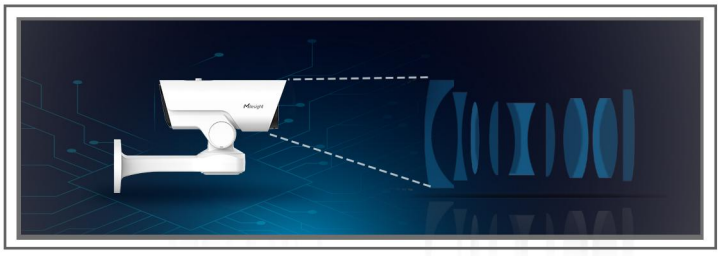
1/1.8” STARVIS Starlight Sensor

Adopting the top-notch Sony STARVIS Starlight big sensor, Milesight network camera is able to achieve excellent video quality with better low-light sensitivity.



23X Optical Zoom

The 23X optical zoom can zoom up to distant subjects while still maintaining the clarity, delivering high quality video over the entire zoom range.



30fps@4K

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

AI 5X/20X/23X Mini PTZ Bullet Plus Network Camera

	Model	MS-C2867-X20TPA (2MP)	MS-C2967-X23TPA (2MP)
Camera	Image Sensor	1/2” Progressive Scan CMOS	1/2.8” Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.5 B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 180m	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Focal Length	6.4~128mm, 20X Optical Zoom	5~117mm, 23X Optical Zoom
	Zoom Speed	Approx 5s (Wide-Tele)	Approx 6s (Wide-Tele)
	Field of View	H60°~H3°/D67°~D4°/ V37°~V1°	H60°~H3°/D69°~D4°/ V35°~V2°
	Focus Control	Auto/Semi-Auto/Manual	
	Minimum Working Distance	1000/2000mm (Wide/Tele)	1000/1500mm (Wide/Tele)
	Aperture	F1.6~F4.0	F1.5~F3.5
	Iris Control	Auto	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s	
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Power Off Memory	Support	
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position	
Video	Max. Image Resolution	1920x1080	
	Primary Stream	60Hz/50Hz: 90fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	Secondary Stream	60Hz/50Hz: 90fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(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 24 areas	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	

AI 5X/20X/23X Mini PTZ Bullet Plus Network Camera

Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1
	Alarm I/O	1/1
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
	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, AWB, 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, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, 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/3A±10%
	Power Consumption	12W MAX / 23W MAX (With IR on)
	Weather Proof	Up to IP66-rated for Weather-resistant Performance
	Weight	2.9Kg
	Dimensions	110mmX337mmX220mm
	Warranty	2 Years / 3 Years (Optional)

AI 5X/20X/23X Mini PTZ Bullet Plus Network Camera

	Model	MS-C8267-X5PA (4K)	MS-C8267-X20PA (4K)
Camera	Image Sensor	1/1.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.006Lux@F1.2 Color: 0.009Lux@F1.7 B/W: 0Lux with IR on	Color: 0.006Lux@F1.2 Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 180m	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Focal Length	11~55mm, 5X Optical Zoom	6.4~128mm, 20X Optical Zoom
	Zoom Speed	Approx 3.5s (Wide-Tele)	Approx 5s (Wide-Tele)
	Field of View	H36°~H8°/D41°~D9°/ V21°~V5°	H60°~H3°/D67°~D4°/ V37°~V1°
	Focus Control	Auto/Semi-Auto/Manual	
	Minimum Working Distance	1000/1500mm (Wide/Tele)	1000/2000mm (Wide/Tele)
	Aperture	F1.7~F2.1	F1.6~F4.0
	Iris Control	Auto	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s	
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Power Off Memory	Support	
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position	
Video	Max. Image Resolution	3840x2160	
	Primary Stream	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	
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	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
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	System Compatibility	ONVIF Profile G & Q & S & T, API
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	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V/3A±10%
	Power Consumption	13W MAX / 24W MAX (With IR on)
	Weather Proof	Up to IP66-rated for Weather-resistant Performance
	Weight	2.9Kg
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V8.0

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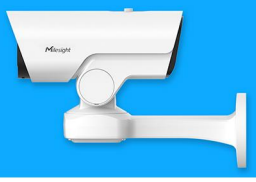
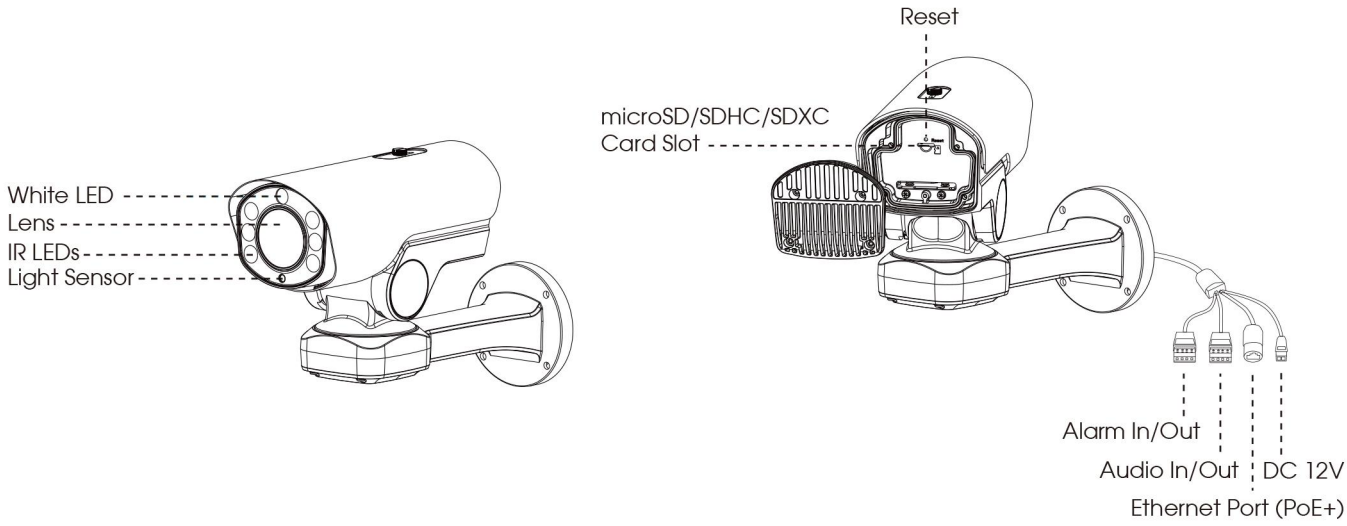
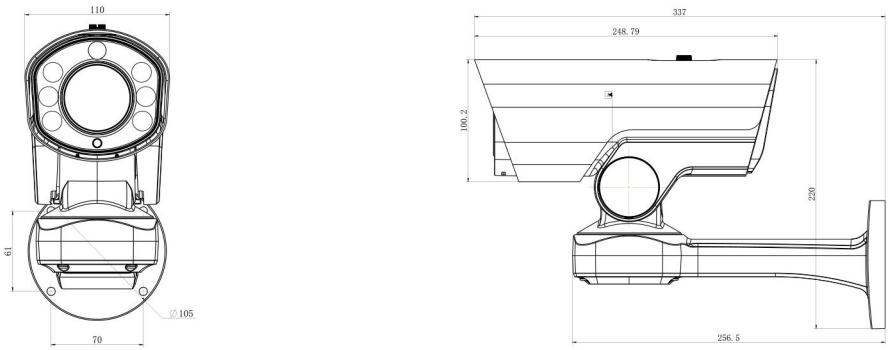


Structure Diagrams





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

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