

- 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 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.)
- ▶ 90fps High Frame Rate (Camera can easily catch images with no latency despite of the high-speed movement.)
- Smart PTZ Motion Detection (Pan and tilt to the position of motion detected area automatically and zoom in synchronously.)
- ▶ IR Distance up to 300m (Enabling 300 meters distinct images at night with IR LEDs.)
- > 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 are saved with Smart Stream On, eg, H.265⁺ saves 70%~80% bandwidth that 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.
- People Counting technology provides high accuracy and real-time data based on Al algorithm with statistic reports.



0.001Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.001 Lux(Color) or 0 Lux(B/W), and near infrared light environments without any supplementary lighting.



30fps@4K

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



Up to 42X Optical Zoom

Embedded with optical zoom lens, the cameras' resolution is up to 42X optical zoom which allows the user to zoom up to distant objects while still maintaining the clarity and delivering high quality video over the entire zoom range.





	80.4.1	MS-C2841-X36TPA	MS-C2941-X23TPA	MS-C2941-X30TPA	MS-C2941-X42TPA
	Model	(2MP)	(2MP)	(2MP)	(2MP)
		1/2" Progressive Scan			
	Image Sensor	1/2.8" Progressive Scan CMOS CMOS			
		Color: 0.001Lux@F1.2	Color: 0.00	2Lux@F1.2	Color: 0.002Lux@F1.2
Camera	Min. Illumination	Color: 0.002Lux@F1.55	Color: 0.00	5Lux@F1.5	Color: 0.005Lux@F1.8
		B/W: OLux with IR on	with IR on B/W: OLux with IR on B/W: OLux with IR or		B/W: 0Lux with IR on
	WDR	120dB Super WDR			
	Shutter Time	1/100000s~1s			
	Digital Zoom	16X			
	Day/Night Mode Day/Night/Au			/Customize/Schedule	
	S/N	>55dB			
	Focal Length	5.7~205.2mm,	5~117mm,	4.7~141mm,	7~300mm,
	FOCAI LEIIGIII	36X Optical Zoom	23X Optical Zoom	30X Optical Zoom	42X Optical Zoom
	Zoom Speed	Approx 7s (Wide-Tele)	Approx 6s (Wide-Tele)	Approx 6s (Wide-Tele)	Approx 7s (Wide-Tele)
	Field of View	H63°~H3°/D69°~D3°/	H60°~H3°/D69°~D4°/	H62°~H3°/D70°~D3°/	H45°~H2°/D50°~D2°/
Lens	rieid of view	V38°~V1°	V35°~V2°	V37°~V1°	V27°~V1°
Lens	Focus Control	Auto/Semi-Auto/Manual			
	Minimum Working Distance	1500/1500mm	100/1500mm	100/1500mm	1200/1500mm
	Willimidili Working Distance	(Wide/Tele)	(Wide/Tele)	(Wide/Tele)	(Wide/Tele)
	Aperture	F1.55~F4.8	F1.5~F3.5	F1.5~F4.0	F1.8~F6.5
	Iris Control	Auto			
	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s			
	Tilt Range/Tilt Speed	0°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~320°/s, Tilt Preset Speed: 320°/s			
	Proportional Zoom	Support			
PTZ	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			
10	IR Distance	Up to 300m	Up to 200m	Up to 200m	Up to 300m
IR	IR Angle	Auto/Manual			
		Autoj Maria			
	Max. Image Resolution	1920x1080			
	Primary Stream	60Hz/50Hz-00fnc@/1020v1090_1290v060_1290v720_704v676\			
	Filliary Stream	60Hz/50Hz: 90fps@(1920x1080, 1280x960, 1280x720, 704x576)			
	Secondary Stream	60Hz/50Hz: 90fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)			
Video	T: 6:	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)			
Video	Tertiary Stream	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)			
	VIUEU DIL KALE	TOWNERS TOTAL POLICE AND			
	Privacy Masking				
	ROI	Up to 8 areas			
	Image Setting	Brightness/Contrast/Saturation/Sharpness			
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	Ethernet	1*RJ45 10M/100M Ethernet Port			
	Audio I/O	1/1			
Interface	Alarm I/O	4/2			
	RS485	Support			
	Network Storage	NAS(Support NFS, SMB/CIFS), ANR			
Network	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 Compression		G.711/AAC/G.722/G.726		
Audio	Audio Sampling Rate	8/16/32/44.1/48KHz			
Audio	Audio Bit Rate	16~256kbps			
	Two-way Audio		Support		
Intelligent	Video Analysis	Region Entra	nce, Region Exiting, Advanced Motion Detection, Tamper D Line Crossing, Loitering, Object Left, Object Removed	etection,	
Analytics	People Counting&	Count the number of people entering or exiting,			
	Report		up to 4 detection areas for regional people counting		
	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			
System	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, PTZ Motion, HTTP Notification, etc.			
	System Compatibility	ONVIF Profile G & Q & S & T, API			
	Working Condition	Temperature: -40 °C ~60 °C / Humidity: 0~90%(Non-condensing)			
	Power Supply	PoE (802.3at) / AC 24V/3A \pm 10%			
	Power Consumption	13W MAX / 24W MAX (With IR on)	12W MAX / 24W MAX (With IR on)	12W MAX / 23W MAX (With IR on)	
General	Weather Proof/Housing	Up to IP66-rated for Weather-resistant Performance / Vandal-proof IK10-rated Metal Housing(Optional)			
	Heater	Support			
	Surge Protection	6KV			
	Dimensions/Weight	Ф205mmX308mm/4Kg			
	Warranty	2 Years / 3 Years (Optional)			



	Model	MS-C8241-X36PA			
		(4K)			
	Image Sensor	1/1.8" Progressive Scan CMOS			
		Color: 0.006Lux@F1.2			
	Min. Illumination	Color: 0.009Lux@F1.55			
Camera		B/W: OLux with IR on			
	WDR	120dB Super WDR			
	Shutter Time	1/100000s~1s			
	Digital Zoom	16X			
	Day/Night Mode	Day/Night/Auto/Customize/Schedule			
	S/N	>55dB			
	Focal Length	5.7~205.2mm,			
		36X Optical Zoom			
	Zoom Speed	Approx 7s (Wide-Tele)			
	Field of View	H66°~H3°/D72°~D3°/V41°~V1°			
Lens	Focus Control	Auto/Semi-Auto/Manual			
	Minimum Working	1500/1500mm			
	Distance	(Wide/Tele)			
	Aperture	F1.55~F4.8			
	Iris Control	Auto			
	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s			
	Tilt Range/Tilt Speed	0°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~320°/s, Tilt Preset Speed: 320°/s			
	Proportional Zoom	Support			
PTZ	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			
IR	IR Distance	Up to 300m			
	IR Angle	Auto/Manual			
	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)			
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)			
Video		50Hz: 25fps@(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			

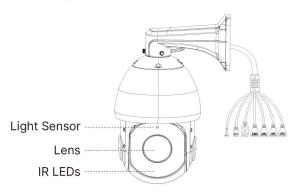


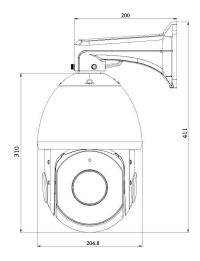
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port		
	Audio I/O	1/1		
	Alarm I/O	4/2		
	RS485	Support		
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR		
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP,		
		Bonjour, SIP, PPPoE, 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	Audio Bit Rate	16~256kbps		
	Two-way Audio	Support		
	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection,		
Intelligent		Line Crossing, Loitering, Object Left, Object Removed		
Analytics	People Counting&	Count the number of people entering or exiting,		
	Report	up to 4 detection areas for regional people counting		
	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		
System	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, PTZ Motion, HTTP Notification, etc.		
	System Compatibility	ONVIF Profile G & Q & S & T, API		
General	Working Condition	Temperature: -40 °C ~60 °C / Humidity: 0~90%(Non-condensing)		
	Power Supply	PoE (802.3at) / AC 24V/3A \pm 10%		
	Power Consumption	12W MAX / 23W MAX (With IR on)		
	Weather Proof/Housing	Up to IP66-rated for Weather-resistant Performance / Vandal-proof IK10-rated Metal Housing(Optional)		
	Heater	Support		
	Surge Protection	6KV		
	Dimensions/Weight	Ф205mmX308mm/4Kg		
	Warranty	2 Years / 3 Years (Optional)		



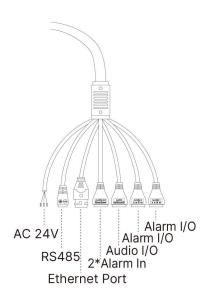


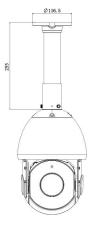
Structure Diagrams





Wall Mount





Ceiling Mount

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



A41 Wall Mount







A43 Junction Box

Weight: 1000g

Dimensions: 195*164*80mm



A42 Pendant Mount

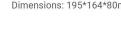
Weight: 650g Dimensions: 116.5*255mm



A42-L Extension Lever

Weight: 325g Dimension: 57*255mm







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