

Milesight

AI Dual-sensor 180° Panoramic Network Camera



IP67

IK10



DATASHEET

KEY FEATURES

- ▶ Dual-sensor panoramic stitching technology can achieve a 180° field of view, providing a clear panoramic image without distortion at the edges and covering a wider area.
- ▶ Providing high-quality image effects (It uses AI ISP technology, up to 8MP images, supports 140 dB Super WDR, and the IR distance can reach 30m in low light environments, etc.)
- ▶ Various AI VCA features ensure the physical security, while Object Counting and Heat Map provide trend analysis.
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream on, e.g. H.265+ saves 70%~80% bandwidth of H.264.)
- ▶ 1TB (Supporting ultra-large external micro SD/SDHC/SDXC card storage up to 1TB.)
- ▶ Built-in Microphone (Using advanced codecs to provide clearer voice and robust performance.)

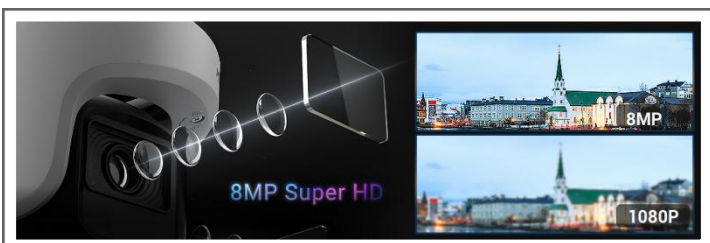
180° Panoramic View

The camera is ideal for a panoramic viewing experience. It captures images without distortion at the edges, providing a clear and detailed picture. Its dual sensors catch 180° horizontal coverage and 50° vertical coverage. This camera also reduces blind spots in the field of view, covering a wider area to capture more details, a revolutionary creation in the panoramic series.



8MP Video Viewing Experience

Dual-sensor 180° panoramic camera generates a seamless and continuous panoramic picture by stitching two video streams, and simultaneously presents 8MP images to achieve high-definition viewing. In low-light environments the image noise is low, and there is less smearing in dynamic environments.



AI Video Analytics

9 intelligent VCA modes powered by AI engines can intelligently filter objects to focus on human and vehicle detection. The Object Counting function provides high accuracy and real-time data based on an AI algorithm with statistical reports. Meanwhile, Heat Map function is to visually depict the density and distribution of people's activities.



Easy Installation and Deployment

It can support wall mount and ceiling mount for adapting a variety of installation scenarios, when installing the camera, you only need to fix the mounting bracket, rotate the camera to the mounting bracket, and tighten the screw to complete the installation.



AI Dual-sensor 180° Panoramic Network Camera



	Model	MS-C8477-PC
Camera	Image Sensor	Dual 1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR
	Lens	4mm@F1.6
	Mount	M12
	Field of View	H180° / V50°
	Shutter Time	1/100000s~1s
	DORI Distance	D: 63m O: 24.5m R: 11.5m I: 5m
	IR Distance	Up to 30m
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	S/N	>55dB
Video	Max. Image Resolution	5084x1520
	Primary Stream	60Hz: 25fps@(5084x1520, 3618x1080, 2412x720) 50Hz: 25fps@(5084x1520, 3618x1080, 2412x720)
	Secondary Stream	60Hz: 25fps@(1160x344, 1008x296, 872x256, 576x168, 504x152) 50Hz: 25fps@(1160x344, 1008x296, 872x256, 576x168, 504x152)
	Tertiary Stream	60Hz: 25fps@(2636x788, 1752x520, 1160x344, 1008x296, 872x256, 576x168) 50Hz: 25fps@(2636x788, 1752x520, 1160x344, 1008x296, 872x256, 576x168)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
	Privacy Masking	Up to 8 Mask Areas
	ROI	Up to 8 Areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Built-in Microphone	Support
	Audio Interface	1*Audio Out Interface
	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,TLS 1.2
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

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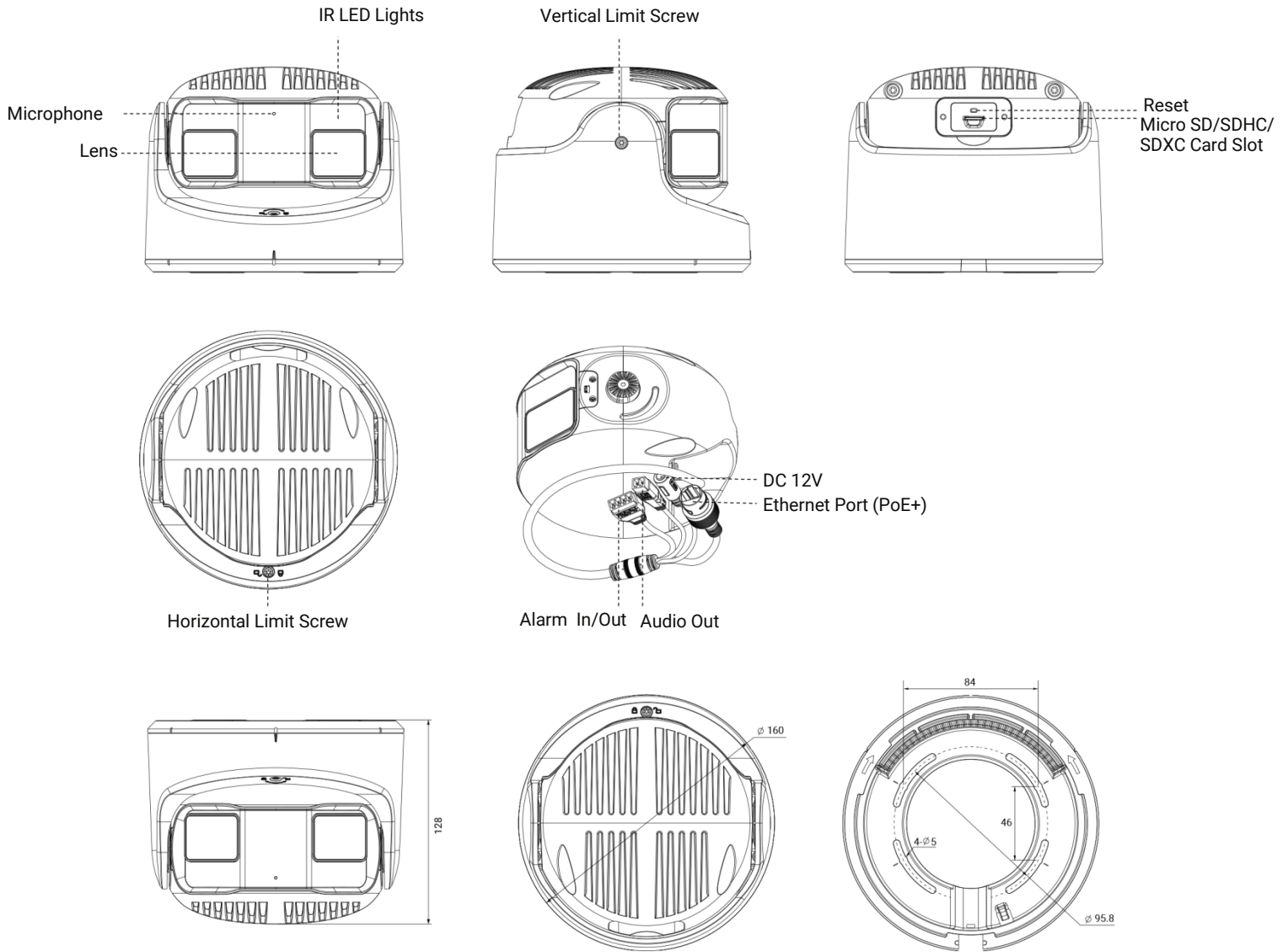


Intelligent Analytics	Video Analysis	Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
	Object Counting & Report	Count the number of objects crossing the line, optionally human and vehicle, Support regional people counting for up to 4 detection areas
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
	Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Image Rotation, Deblur, Watermark
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
	System Compatibility	ONVIF Profile G & M & S & T, API
General	Working Temperature	-40°C~60°C
	Working Humidity	0~95%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V / 2A±10%
	Power Consumption	6W MAX / 12W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Weight	1.5kg
	Dimensions	Φ 160mmX127.5mm
	Warranty	3/5 Years

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Structure Diagrams



Units: mm

A72 Wall Mount
 Weight: 560g
 Dimensions: 240*160*136mm



A76 Pendant Mount
 Weight: 620g
 Dimensions: $\Phi 136 \times L$
 (L is default as 300mm)



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