

Milesight

NDA

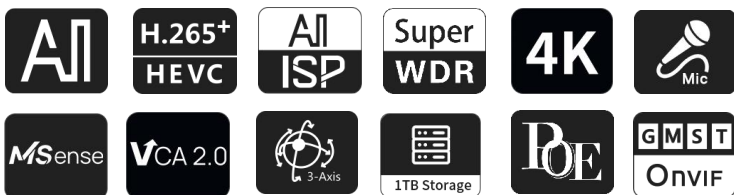
AI Motorized Pro Dome Network Camera

Motorized Lens

IP66 + IK10

Milesight

DATASHEET



Key Features

- ▶ NDA Compliance (The fully NDA-compliant products are well suited for government, defense and a range of projects subject to the NDA.)
- ▶ Precision Imaging Technology (Powered by P-Iris and a high-performance Day-Night Focus Lens to deliver stunning image clarity.)
- ▶ 140dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 140dB.)
- ▶ Up to 4K@60fps (Camera can easily capture fast-moving objects smoothly with no latency.)
- ▶ Hybrid Zoom (Combines optical and digital zoom to capture detailed images.)
- ▶ 1TB Edge Storage (Supports external microSD/SDHC/SDXC cards up to 1TB for ultra-large on-device storage.)
- ▶ Versatile Interfaces (Integrates DC 10V~28V power, PoE+, audio, and alarm interfaces neatly within the base, making it adaptable to various environments.)

Smarter Detection, Greater Accuracy

Focused on person and vehicle classification using deep learning, the full suite of AI VCA 2.0 delivers ultra-low false alarm rates, supports longer-range detection, and ensures robust physical security. Meanwhile, MSense is purpose-built to address diverse vertical applications, delivering tailored intelligence and enhanced adaptability.



Superior Low-light Performance

Equipped with a Sony STARVIS 2 1/1.8" large sensor and Day-Night Focus Lens, the camera delivers ultra-clear, superior images down to 0.0009Lux@F1.2(Color). Powered by AI ISP, it further enhances image quality by reducing noise and improving clarity in the darkest environments.



Crystal-Clear Video Streaming

Delivers 4K ultra-high-definition resolution at up to 60fps, enhanced with Digital Image Stabilization (DIS) for smooth and stable video. Quad-Stream reduces bandwidth and storage usage while dedicating each stream for recording, live view, mobile access, or AI processing.



Efficient & Simple Installation

Aiming to reduce the installation troubles to the least, the clamshell design is creatively introduced to the dome base. This revolutionary innovation enlarges the space to make cable connection a piece of cake, greatly saving efforts for installers.



AI Motorized Pro Dome Network Camera



Camera	Model	MS-C4472-RFIPG1 (4MP)
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.0009Lux@F1.2, B/W: 0Lux with IR on
	WDR	140dB Super WDR
	Shutter Time	1/100000s~1s
	Day/Night Mode	Day / Night / Auto / Customize / Schedule
	DORI Distance	D: 69m ~ 149m O: 27m ~ 58.5m R: 13.5m ~ 29m I: 7m ~ 14.5m
	S/N	>55dB
Illuminator	Illuminator Number	3
	IR Wave Length	850nm
	Illumination Distance	Up to 60m
	Illuminator On/Off Control	Auto / Manual
Lens	Lens	Motorized 2.8mm~12mm@F1.2
	Field of View	H111.5° ~ H47.5° / D129°~D54.5° / V58.5° ~ V26.5°
	Close Focus Distance	W: 1m, T: 1.5m
	Camera Angle Adjustment	Pan: 0°~355°, Tilt: 0°~80°, Rotation: 0°355°
	Mount	Φ14
	Focus Control	Auto/Manual
	Aperture	Max.F1.2
	Iris Type	P-Iris
	Iris Control	Auto / Manual
Video	Max. Image Resolution	2688x1520
	Primary Stream	60Hz: 60fps@(2688×1520, 2304×1296, 1920×1080, 1280×720) 50Hz: 50fps@(2688×1520, 2304×1296, 1920×1080, 1280×720)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360) 50Hz: 50fps@(704x576, 640x480, 640x360)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360)
	Quaternary Stream	60Hz: 10fps@(1280x720), 30fps@(704x576, 640x480, 640x360) 50Hz: 10fps@(1280x720), 25fps@(704x576, 640x480, 640x360)
	Video Compression	H.265+ /H.265 (HEVC) /H.264+ /H.264 /MJPEG
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)

AI Motorized Pro Dome Network Camera



Image	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)
	ROI	Up to 8 areas
	Image Setting	Brightness / Contrast / Saturation / Sharpness
	Image Rotation	Off, Rotating 180°, Flip Horizontal, Flip Vertical, Clockwise 90°, Anticlockwise 90°
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AGC, Defog, AWB, Deblur, Anti-flicker, LDC, DIS (Coming Soon)
	Hybrid Zoom	Up to 32X (Coming Soon)
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	Built-in Microphone and 1 Audio Output interface
	Alarm I/O	1/1
Audio	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling Rate	8/16/32/44.1/48KHz
	Audio Bit Rate	16~256kbps
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	Attribute Extraction	Simultaneously detect up to 50 targets and capture humans and vehicles in real time. Recognize attributes including Upper and Lower Clothing Color, Hat, and Vehicle Types (Bicycle, Car, Motorcycle, Bus, Truck, E-scooter).
	Face Detection & Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap
	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
	Heat Map	The built-in statistical behavior analysis enables you to identify the busiest areas within the environment
	Sound Classification	Supports recognition of specific sounds including Gunshot, Glass Break, and Screaming. Triggers real-time alarms allowing you to respond quickly to any potential issues.
	Hard Hat Detection	Detects whether individuals are wearing safety helmets. Triggers an alarm when a person is identified without a helmet, enhancing safety compliance on-site.
	Privacy Protection	Automatically detects faces or human bodies in the video stream and overlays mosaic effects to safeguard privacy. Supported on main stream/sub stream, Compatible with H.265/H.264 formats. (Coming Soon)
	Fall Detection	Detects a person's fall and triggers an alarm to alert others for timely assistance. (Coming Soon)
	Violence Detection	Identifies violent behavior and triggers an alarm to alert others to intervene or prevent the action. (Coming Soon)

AI Motorized Pro Dome Network Camera



Event	One-Click Disarm	Support
	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output etc.
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.
	Event Action	FTP Upload, Snapshot, SMTP Upload, Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.
System	Watermark	Support
	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	System Compatibility	ONVIF Profile G & M & S & T, One API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~95% RH(Non-condensing)
	Power Supply	PoE (802.3af) / DC 10V~DC 28V
	Power Consumption*	Min.: 3W (DC), 4W (PoE) Max.: 8.5W (DC), 10W (PoE)
	Surge Protection	6KV
	Net Weight	1.25kg
	Gross Weight	1.55kg
	Dimensions	Φ143mm X 108.4mm
	Warranty	3/5 Years
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B)
	Safety	CE-LVD (EN IEC 62368-1)
	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)
	Protection	IP67, IK10

*The tested results may vary due to environmental conditions and device differences.

AI Motorized Pro Dome Network Camera



Camera	Model	MS-C5372-RFPG1 (5MP)
	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.4, B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Shutter Time	1/100000s~1s
	Day/Night Mode	Day / Night / Auto / Customize / Schedule
	DORI Distance	D: 87m ~ 282m O: 34m ~ 111m R: 17m ~ 55m I: 8.5m ~ 27.5m
	S/N	>55dB
Illuminator	Illuminator Number	3
	IR Wave Length	850nm
	Illumination Distance	Up to 50m
	Illuminator On/Off Control	Auto, Manual
Lens	Lens	Motorized 2.7mm~13.5mm@F1.4
	Field of View	H99.5°~28°/D135.5°~35°/V71°~21°
	Close Focus Distance	W:0.5m, T:1m
	Camera Angle Adjustment	Pan: 0°~355°, Tilt: 0°~80°, Rotation: 0°~355°
	Mount	Φ14
	Focus Control	Auto/Manual
	Aperture	Max.F1.4
	Iris Type	Fixed
	Iris Control	Auto, Manual
Video	Max. Image Resolution	2592 x 1944
	Primary Stream	60Hz: 60fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720) 50Hz: 50fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360), 50Hz: 50fps@(704x576, 640x480, 640x360)
	Tertiary Stream	60Hz: 30fps@(2048x1536, 1600x1200, 1920x1080, 1280x720, 704x576, 640x480, 640x360) 50Hz: 25fps@(2048x1536, 1600x1200, 1920x1080, 1280x720, 704x576, 640x480, 640x360)
	Quaternary Stream	60Hz: 10fps@(1280x720), 30fps@(704x576, 640x480, 640x360) 50Hz: 10fps@(1280x720), 25fps@(704x576, 640x480, 640x360)
	Video Compression	H.265+/H.265 (HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps ~ 16Mbps (CBR/VBR Adjustable)

AI Motorized Pro Dome Network Camera



Image	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)
	ROI	Up to 8 areas
	Image Setting	Brightness / Contrast / Saturation / Sharpness
	Image Rotation	Off, Rotating 180°, Flip Horizontal, Flip Vertical, Clockwise 90°, Anticlockwise 90°
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AGC, Defog, AWB, Deblur, Anti-flicker, LDC, DIS (Coming Soon)
	Hybrid Zoom	Up to 40X (Coming Soon)
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	Built-in Microphone and 1 Audio Output interface
	Alarm I/O	1/1
Audio	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling Rate	8/16/32/44.1/48KHz
	Audio Bit Rate	16~256kbps
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	Attribute Extraction	Simultaneously detect up to 50 targets and capture humans and vehicles in real time. Recognize attributes including Upper and Lower Clothing Color, Hat, and Vehicle Types (Bicycle, Car, Motorcycle, Bus, Truck, E-scooter).
	Face Detection&Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap
	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
	Heat Map	The built-in statistical behavior analysis enables you to identify the busiest areas within the environment
	Sound Classification	Supports recognition of specific sounds including Gunshot, Glass Break, and Screaming. Triggers real-time alarms allowing you to respond quickly to any potential issues.
	Helmet Detection	Detects whether individuals are wearing safety helmets. Triggers an alarm when a person is identified without a helmet, enhancing safety compliance on-site.
	Privacy Protection	Automatically detects faces or human bodies in the video stream and overlays mosaic effects to safeguard privacy. Supported on main stream/sub stream, Compatible with H.265/H.264 formats. (Coming Soon)
	Fall Detection	Detects a person's fall and triggers an alarm to alert others for timely assistance. (Coming Soon)
	Violence Detection	Identifies violent behavior and triggers an alarm to alert others to intervene or prevent the action. (Coming Soon)

AI Motorized Pro Dome Network Camera



Event	One-Click Disarm	Support
	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output etc.
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.
	Event Action	FTP Upload, Snapshot, SMTP Upload, Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.
System	Watermark	Support
	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	System Compatibility	ONVIF Profile G & M & S & T, One API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~95% RH(Non-condensing)
	Power Supply	PoE (802.3af) / DC 10V~DC 28V
	Power Consumption*	Min.: 3W (DC), 4W (PoE) Max.: 8.5W (DC), 10.5W (PoE)
	Surge Protection	6KV
	Net Weight	1.25kg
	Gross Weight	1.55kg
	Dimensions	Φ143mm X 108.4mm
	Warranty	3/5 Years
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B)
	Safety	CE-LVD (EN IEC 62368-1)
	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)
	Protection	IP67, IK10

*The tested results may vary due to environmental conditions and device differences.

AI Motorized Pro Dome Network Camera



Camera	Model	MS-C8272-RFIGP1 (4K)
	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.0009Lux@F1.2, B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Shutter Time	1/100000s~1s
	DORI Distance	D: 227m ~ 657m O:89m ~ 259m R:44.5m ~ 129m I:22m ~ 64.5m
	Day/Night Mode	Day / Night / Auto / Customize / Schedule
	S/N	>55dB
Illuminator	Illuminator Number	3
	IR Wave Length	850nm
	Illumination Distance	Up to 60m
	Illuminator Control	Auto, Manual
Lens	Lens	Motorized 2.8mm~12mm@F1.2
	Field of View	H105° ~ H4 6.5° / D122.5° ~ D54°/V55.5°~V26°
	Close Focus Distance	W: 1m, T: 1.5m
	Camera Angle Adjustment	Pan: 0°~355°, Tilt: 0°~80°, Rotation: 0°~355°
	Mount	Φ14
	Focus Control	Auto / Manual
	Aperture	Max.F1.2
	Iris Type	P-Iris
	Iris Control	Auto / Manual
Video	Max. Image Resolution	3840x2160
	Primary Stream	60Hz: 60fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720) 50Hz: 50fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360) 50Hz: 50fps@(704x576, 640x480, 640x360)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360)
	Quaternary Stream	60Hz: 10fps@(1280x720), 30fps@(704x576, 640x480, 640x360) 50Hz: 10fps@(1280x720), 25fps@(704x576, 640x480, 640x360)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps ~ 16Mbps(CBR/VBR Adjustable)

AI Motorized Pro Dome Network Camera



Image	AI ISP	Support
	Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)
	ROI	Up to 8 areas
	Image Setting	Brightness / Contrast / Saturation / Sharpness
	Image Rotation	Off, Rotating 180°, Flip Horizontal, Flip Vertical, Clockwise 90°, Anticlockwise 90°
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, AGC, Defog, AWB, Deblur, Anti-flicker, LDC, DIS (Coming Soon)
	Hybrid Zoom	Up to 32X (Coming Soon)
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL,TLS 1.2
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1
	Alarm I/O	Built-in Microphone and 1 Audio Output interface
Audio	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling Rate	8/16/32/44.1/48KHz
	Audio Bit Rate	16~256kbps
Intelligent Analytics	Video Analysis	VCA 2.0: Intrusion Detection, Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	Attribute Extraction	Simultaneously detect up to 50 targets and capture humans and vehicles in real time. Recognize attributes including Upper and Lower Clothing Color, Hat, and Vehicle Types (Bicycle, Car, Motorcycle, Bus, Truck, E-scooter).
	Face Detection & Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap
	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
	Heat Map	The built-in statistical behavior analysis enables you to identify the busiest areas within the environment
	Sound Classification	Supports recognition of specific sounds including Gunshot, Glass Break, and Screaming. Triggers real-time alarms allowing you to respond quickly to any potential issues.
	Hard Hat Detection	Detects whether individuals are wearing safety helmets. Triggers an alarm when a person is identified without a helmet, enhancing safety compliance on-site.
	Privacy Protection	Automatically detects faces or human bodies in the video stream and overlays mosaic effects to safeguard privacy. Supported on main stream/sub stream, Compatible with H.265/H.264 formats. (Coming Soon)
	Fall Detection	Detects a person's fall and triggers an alarm to alert others for timely assistance. (Coming Soon)
	Violence Detection	Identifies violent behavior and triggers an alarm to alert others to intervene or prevent the action. (Coming Soon)

AI Motorized Pro Dome Network Camera

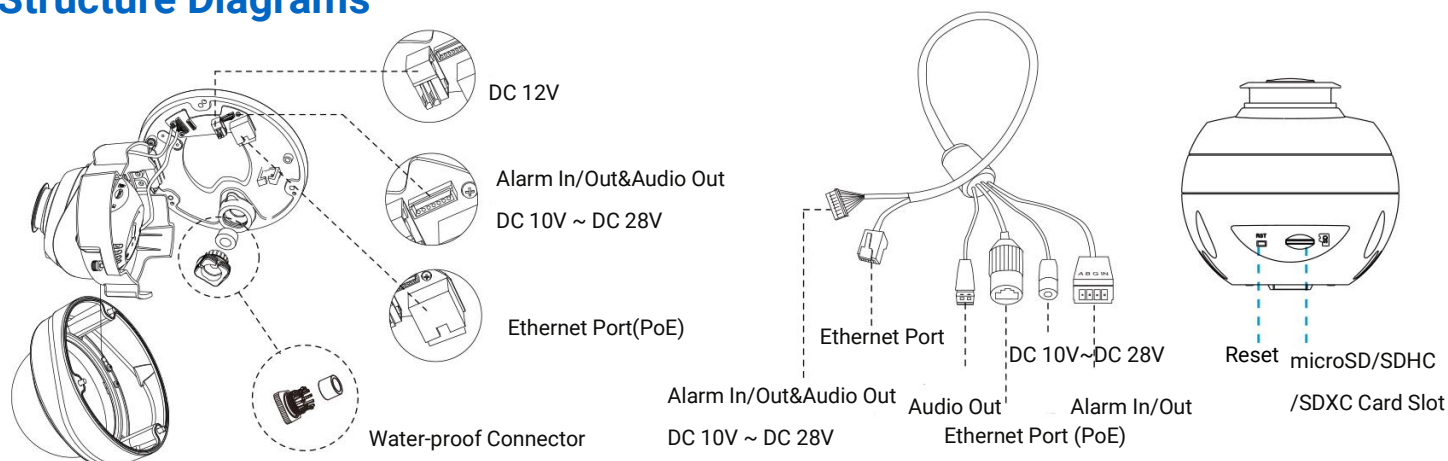


Event	One-Click Disarm	Support
	Basic Event	Motion Detection, Tamper Detection, Audio Alarm, External Input, External Output etc.
	Exception	Network Disconnection, IP Address Conflict, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card, etc.
	Event Action	FTP Upload, Snapshot, SMTP Upload, Record, External Output, Play Audio, SIP Phone, HTTP Notification, etc.
System	Watermark	Support
	Storage	Support Micro SD/SDHC/SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	System Compatibility	ONVIF Profile G & M & S & T, One API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~95% RH(Non-condensing)
	Power Supply	PoE (802.3af) / DC 10V~DC 28V
	Power Consumption*	Min.: 3W (DC), 5W (PoE)
		Max.: 9.5W (DC), 11W (PoE)
	Surge Protection	6KV
	Net Weight	1.25kg
	Gross Weight	1.55kg
	Dimensions	Φ143mm X 108.4mm
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B)
	Safety	CE-LVD (EN IEC 62368-1)
	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)
	Protection	IP67, IK10

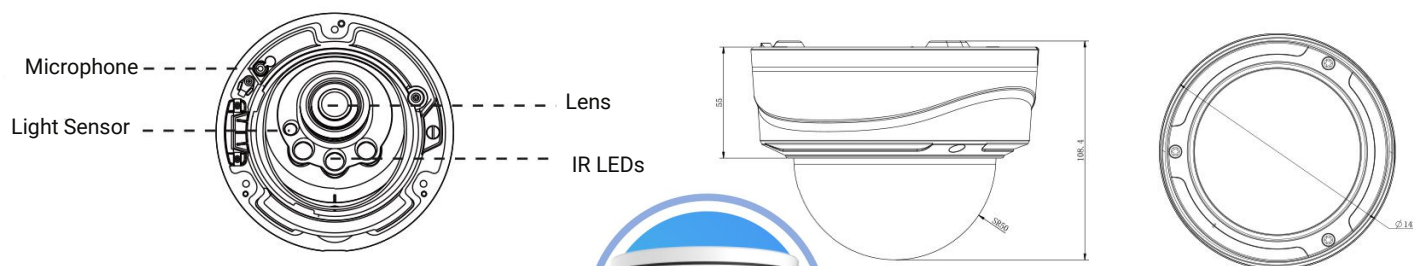
AI Motorized Pro Dome Network Camera



Structure Diagrams



Note: The cable is connected with the interface board by default.



A76 V2 Pendant Mount

A75 Junction Box

A72 V2 Wall Mount

AC-72 Smoked Dome Cover

A78 Recessed Mount

A42-L

Extension Lever

**A02 V2
Pole Mount**

**A03 External
Corner Bracket**

Milesight | www.milesight.com

Contact Us: sales@milesight.com support@milesight.com

Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China
Tel: +86-592-5922772

