Milesight

AI Motorized Dome Network Camera



NDAA

IP67

IK10

Motorized Lens

AI | H.265+ HEVC | Starlight | Super WDR | 3-Axis | Mic | SD XC | GMST Onvif | PoE | Weather-proof | Vandal-proof

DATASHEET

KEY FEATURES

- NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- 0.005Lux Starlight (Deliver high detailed color images even in low light environment reaching 0.005Lux.)
- Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- Built-in Microphone (Supporting audio function to hear what is happening in front of the camera.)
- SIP (Session Initiation Protocol. Providing audio/alarm/intercom and video streaming for mobile phones and video phones.)
- 3-Axis Mechanical Design (Featuring 3-axis mechanical design for fast and easy adjustment of the camera's viewing angle.)
- 1TB (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 1TB.)
- Smart Stream (Bandwidth, storage and bit rate save with Smart Stream ON, eg, H.265+ saves 70%~80% bandwidth of H.264.)

AI Video Analytics

The AI Camera Series can intelligently filter objects to focus on human and vehicle detection in multiple events such as Region Entrance, Region Exiting, Loitering, Advanced Motion Detection, etc.



120dB Super WDR

Sensor-based WDR technology allows the camera to record greater scene details with true color reproduction even under the extreme back light and high contrast conditions. The ratio that the brightest light signal values divided by the darkest light signal values is up to 120dB.



0.005Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.005Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.



4K Video Viewing Experience

The camera performs well in catching detailed image with 4K HD resolution regardless of the moving speed.



AI Motorized Dome Network Camera



	Model	MS-C2975-(R)FPD(TS) (2MP)	MS-C4575-FPD(TS) (4MP)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4, B/W: 0Lux with IR on	
	WDR	120dB Super WDR	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H97°~H31°/D113°~D36°/V53°~V18°(2.7~13.5mm)	H97°~H28°/ D110°~D32°/ V55°~V16°(2.7~13.5mm)
	Mount	Φ14	
	Focus Control	Auto/Manual	
Video	Max. Image Resolution	1920x1080	2688x1520
	Primary Stream	60Hz: **60fps@(1920x1080)(Optional for R Series),** 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: **50fps@(1920x1080)(Optional for R Series),** 25fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) 50Hz: 25fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288)	60Hz: 30fps@(1280x720, 704x576, 640x480) 50Hz: 25fps@(1280x720, 704x576, 640x480)
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288)	60Hz: 30fps@(1280x720, 704x576, 640x480) 50Hz: 25fps@(1280x720, 704x576, 640x480)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)	
Image	Privacy Masking	Up to 4 Areas	
	ROI	Up to 8 Areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	

AI Motorized Dome Network Camera



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	8/16/32/48KHz
	Audio Bit Rate	16~256kbps
	Built-in Microphone	Support
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Line Crossing, Loitering, Object Left, Object Removed
	People Counting &Report	Count the number of people entering or exiting
Basic Events	Event Trigger	Motion Detection, Tamper Detection, External Input, External Output, Audio Alarm
	Exception	Network Disconnection, IP Address Filtering, Record Failed, SD Card Full, SD Card Uninitialized, SD Card Error, No SD Card
	Event Action	FTP Upload Record, SMTP Upload Record, SD Card Record, Snapshot, SIP Phone, Play Audo, HTTP Notification, External Output
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	System Compatibility	ONVIF Profile G & S & T & M, API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~90% (Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	5.2W MAX, 6.4W MAX (With IR on) / 5.5W MAX, 6.5W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing/Up to IP67-rated for Weather-resistant Performance
	Weight	Approx. 780g
	Dimensions	Φ130mmX115mm
	Warranty	3 Years/5 Years (Optional)
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B), RC (AS/NZS CISPR 32:2015+AMD 1:2020)
	Safety	CE-LVD (EN IEC 62368-1), RCM (AS/NZS 62368.1)
	Environment	CE-ROHS (Directive (EU)2015/863 amending 2011/65/EU)
	Protection	IP67, IK10

AI Motorized Dome Network Camera



	Model	MS-C5375-FPD(TS) (5MP)	MS-C8175-FPD(TS) (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.008Lux@F1.4, B/W: 0Lux with IR on	Color: 0.012Lux@F1.4, B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H94°~H31°/D120°~ D38°/V68°~V11°(2.7~13.5mm)	H110°~H29°/D129°~D33°/V59°~V16°(2.7~13.5mm)
	Mount	Φ14	
	Focus Control	Auto/Manual	
Video	Max. Image Resolution	2592x1944	3840x2160
	Primary Stream	60Hz: 30fps@(2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	60Hz/50Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288)	
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Image	Privacy Masking	Up to 4 Areas	
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	Image Setting	Brightness/Contrast/Saturation/Sharpness	
	Image Enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	

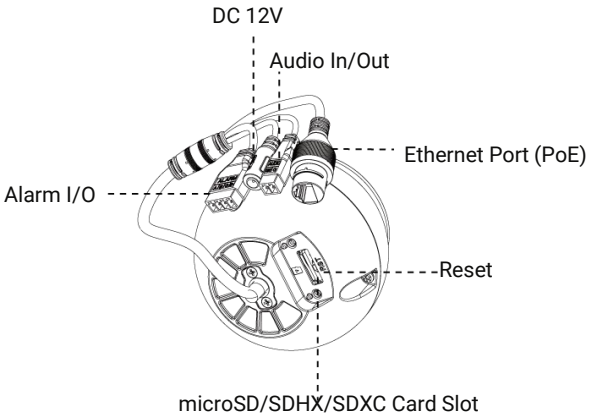
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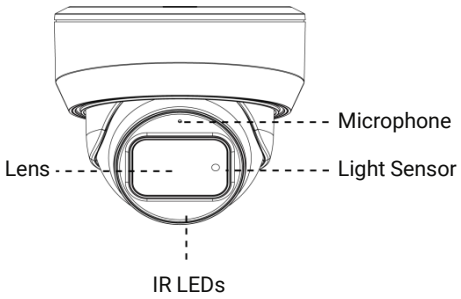


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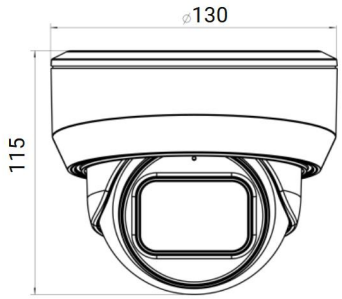


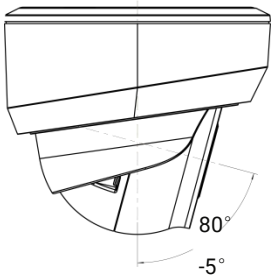
Structure Diagrams

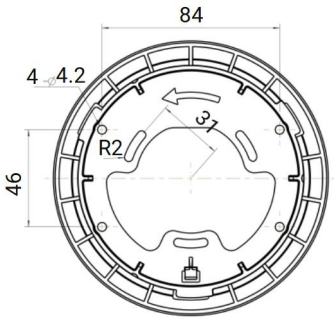




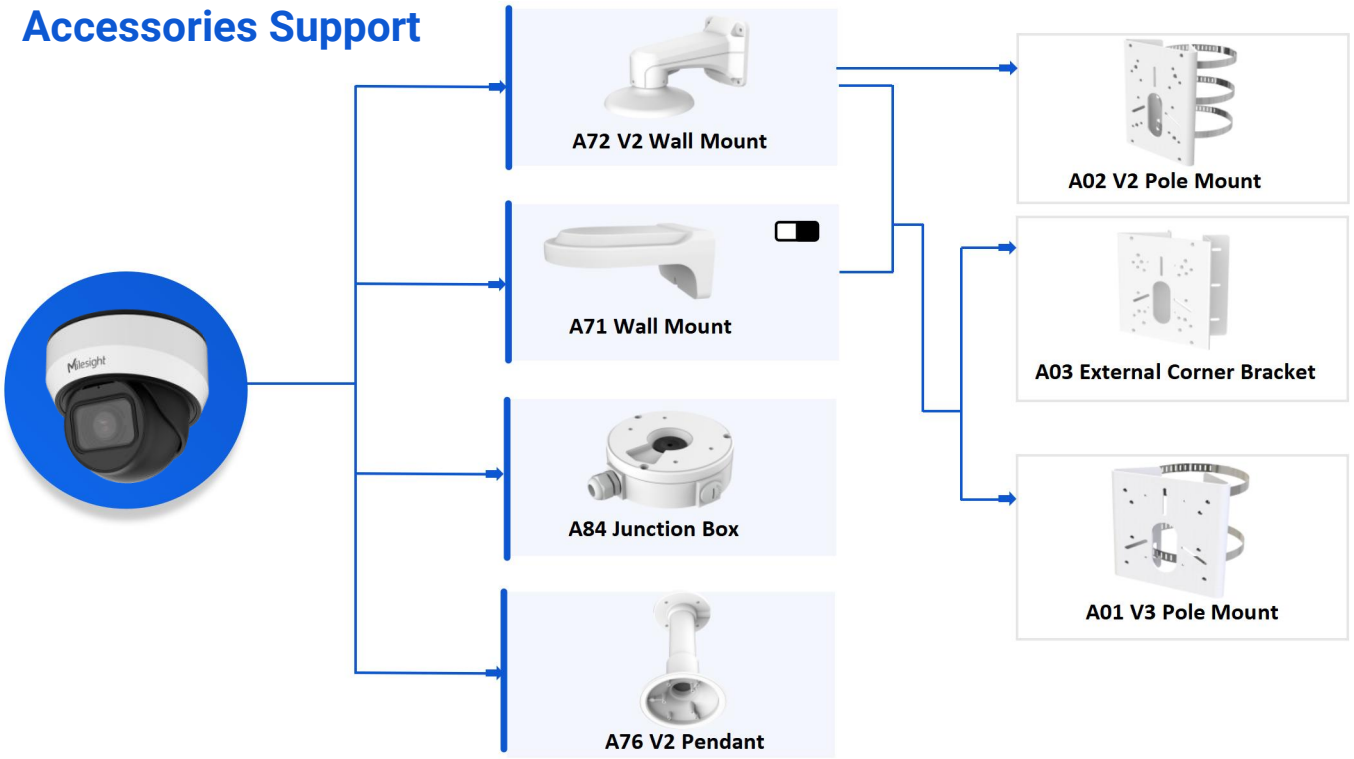
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