

Milesight

# AI Motorized Pro Dome Network Camera

NDAA 

IP67 + IK10

Motorized Lens



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.)
- ▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- ▶ Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- ▶ SIP (Session Initiation Protocol. Providing audio/alarm/intercom and video streaming for mobile phones and video phones.)
- ▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)

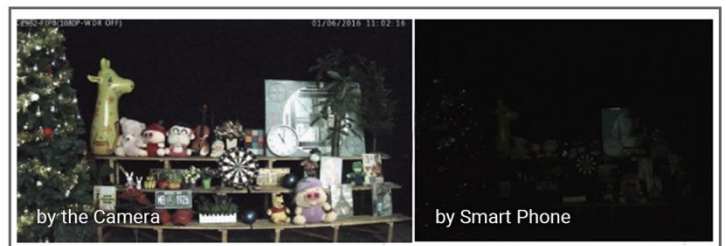
### AI Video Analytics

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.



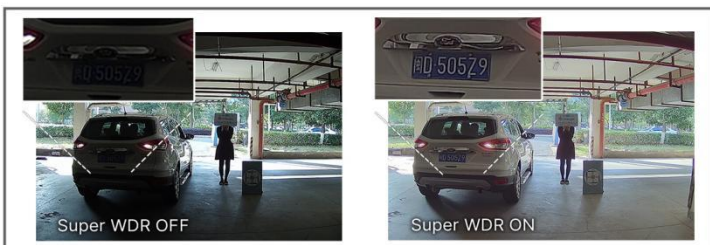
### 0.005Lux Ultra Low-light

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.



### 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.



### Clamshell Design

Aiming to reduce the installation troubles to the least, the clamshell design 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



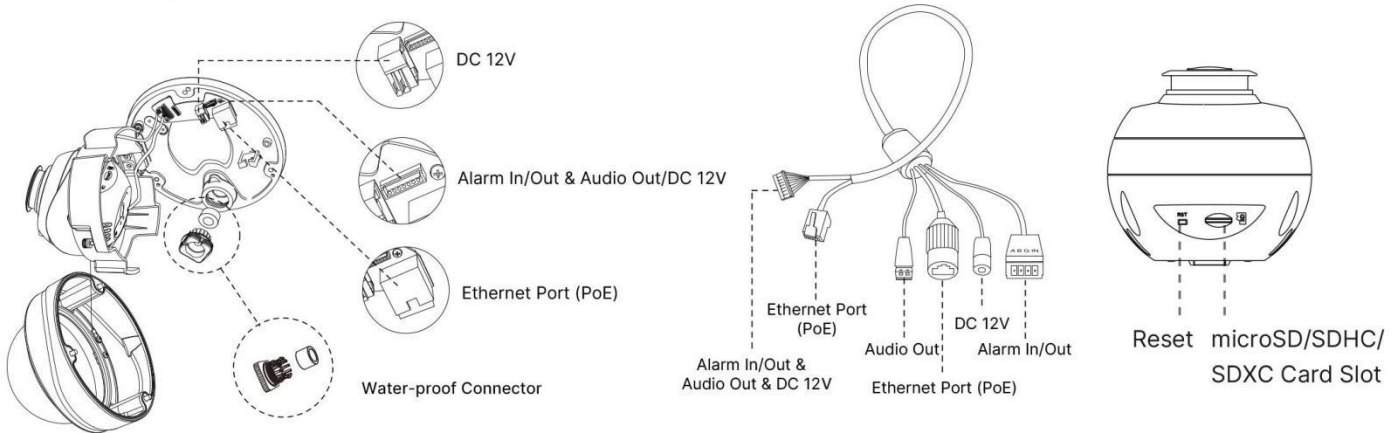
	Model	MS-C2972-FPD (2MP)
<b>Camera</b>	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Shutter Time	1/100000s~1s
	IR Distance	Up to 50m(2.7~13.5mm) Up to 90m(7~22mm)
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	S/N	>55dB
	<b>Lens</b>	Lens
Field of View		H115°~H34°/D135°~D39°/V62°~V19° (2.7~13.5mm) H40°~H16°/D46°~D19°/V23°~V9° (7~22mm)
Mount		Φ14
Focus Control		Auto/Manual
<b>Video</b>	Max. Image Resolution	1920x1080
	Primary Stream	60Hz: 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288)
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 352x288)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
	Privacy Masking	Up to 4 areas
	ROI	Up to 8 areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness
	<b>Interface</b>	Ethernet
Audio I/O		1/1
Alarm I/O		1/1



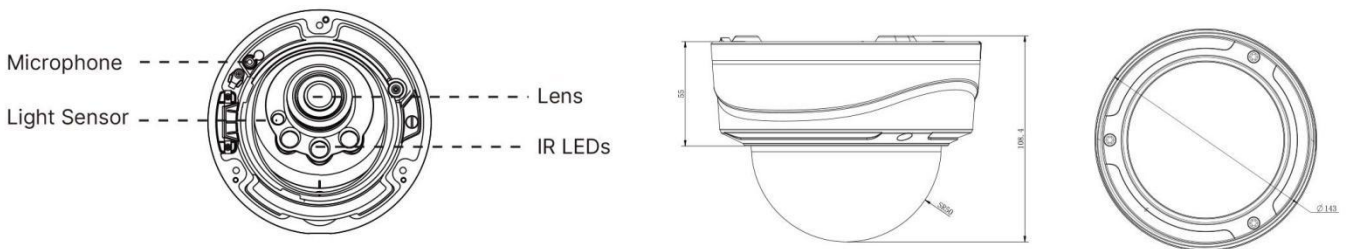
<b>Network</b>	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
<b>Audio</b>	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling Rate	8/16/32/48KHz
	Audio Bit Rate	16~256kbps
	Two-way Audio	Support
<b>Intelligent Analytics</b>	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
<b>System</b>	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, AWB, Defog, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
	System Compatibility	ONVIF Profile G & Q & S & T, API
<b>General</b>	Working Temperature	-40°C~60°C
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	4W MAX 8W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance
	Weight	1100g
	Dimensions	Φ143mmX108.4mm
	Warranty	3/5 Years



## Structure Diagrams



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



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



A72 Wall Mount

Weight: 560g  
Dimensions: 240\*160\*136mm



AC-72 Smoked Dome Cover

For concealing where a camera is pointed



A75 Junction Box

Weight: 200g  
Dimensions: 145\*167\*33.5mm



A76 Pendant Mount

Weight: 620g  
Dimensions: 136\*L (L is default as 300mm, also can be extended with A76-L)



A76-L Extension Lever

Weight: 315g  
Dimensions: 34\*300mm



A78 Recessed Mount

Weight: 715g  
Dimensions: 256\*256\*94mm

