Milesight

AI Weather-proof Mini Bullet Network Camera

NDAA ✓

IP67

IK10

DATASHEET

AI | H.265⁺ HEVC | Starlight | Super WDR | IR | 3-Axis

Privacy Masking | SDXC | GQST OnVIF | PoE | Weather-proof | Vandal-proof

KEY FEATURES

▶ NDAA Compliance (The NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)

▶ Powerful IR LEDs (Equipped with 3rd generation dot matrix IR LEDs, guaranteeing excellent image quality, long lifespan and energy efficiency.)

▶ Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)

▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)

▶ Adjustable 3-Axis Bracket (Providing a robust mounting platform for angle adjustments on a 3-axis plane.)

▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265⁺ saves 70%~80% bandwidth that of H.264.)
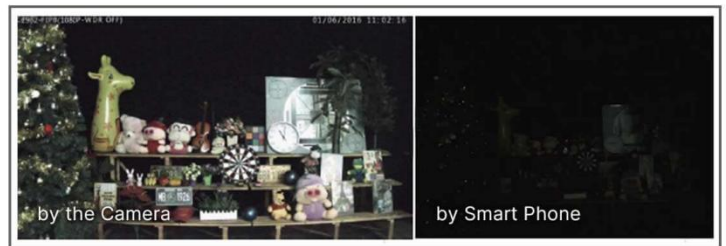
AI Video Analytics

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.

IP67&IK10

Supporting IP67-rated weather proofing and IK10-rated vandal proof which are the leading level of the industry, the camera is well protected against adverse impact to ensure the performance.

Super WDR OFF | Super WDR ON

Model	MS-C2963-PD (2MP)
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on
WDR	120dB Super WDR
Lens	4mm/2.8mm/6mm@F1.6
Mount	M12
Field of View	H91°/D106°/V50°(4mm) H111°/D128°/V61°(2.8mm) H55°/D63°/V32°(6mm)
Shutter Time	1/100000s~1s
IR Distance	Up to 50m
Day/Night Mode	Day/Night/Auto/Customize/Schedule
S/N	>55dB
Video	
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, 320x240, 320x192) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192)
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
Interface	
Ethernet	1*RJ45 10M/100M Ethernet Port
Network	
Network Storage	NAS(Support NFS, SMB/CIFS), ANR
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL

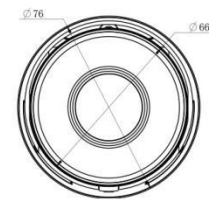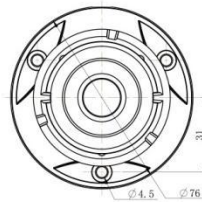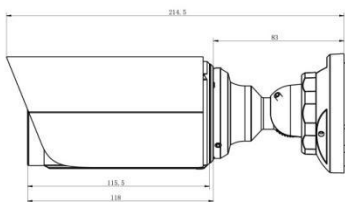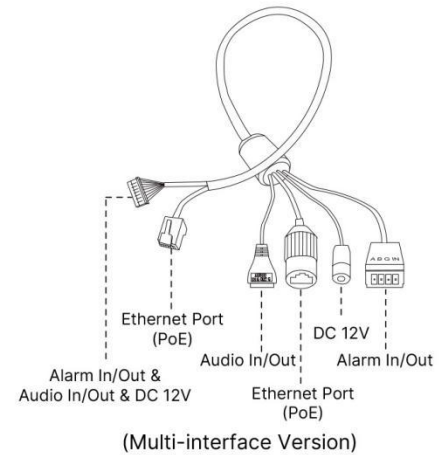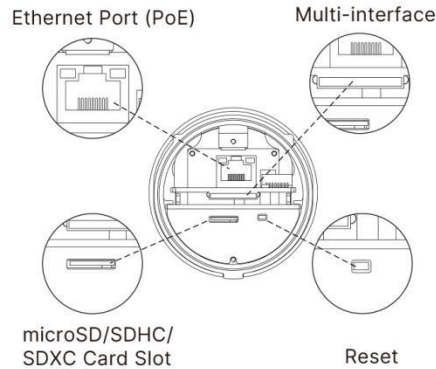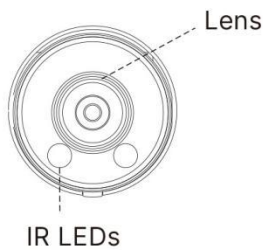| Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
	System Compatibility	ONVIF Profile G & Q & S & T, API
General	Working Temperature	-40℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af)
	Power Consumption	3W MAX 9W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Weight	750g
	Dimensions	Φ76mmX214.5mm
	Warranty	3/5 Years

V8.03

Structure Diagrams

Lens

IR LEDs

Ethernet Port (PoE)

Multi-interface

microSD/SDHC/
SDXC Card Slot

Reset

Alarm In/Out &
Audio In/Out & DC 12V

Ethernet Port
(PoE)

Audio In/Out

Ethernet Port
(PoE)

DC 12V

Alarm In/Out

(Multi-interface Version)

214.5

83

115.5

118

31

Ø4.5   Ø76

Ø76

Ø66

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

A63 Junction Box

Weight: 620g
Dimensions: 134*126*40mm