Milesight

AI LPR Motorized Mini Bullet Network Camera

NDAA ✓

IP67 + IK10

Motorized Lens

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

SDXC | GQST Onvif | POE | Weather-proof | Vandal-proof

DATASHEET

KEY FEATURES

▶ NDAA Compliance (Milesight 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.)

▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)

▶ 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.)
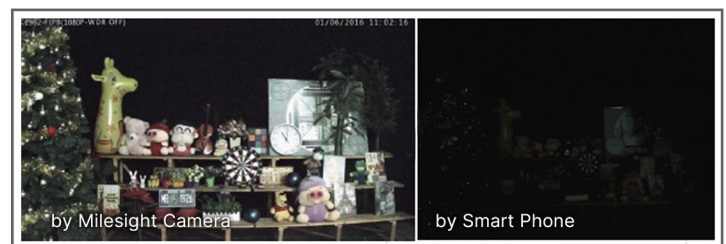
License Plate Recognition

Embedded in camera with no PC server required, the LPR allows network cameras to capture real-time license plate in both the highest levels of glare and the darkest hours of the night.

0.002Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.002Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.

90fps

With the industry leading frame rate reaching 90fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.

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.

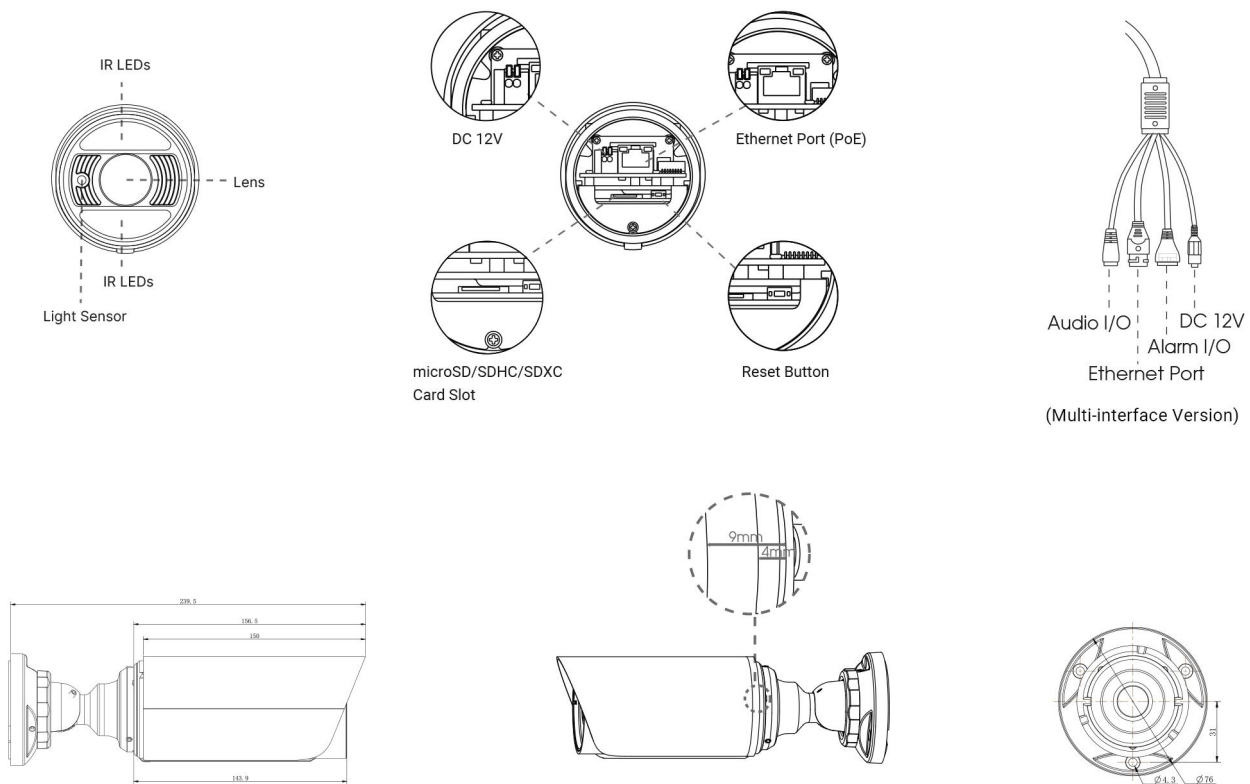|	Model	MS-C2964-TF(I)LPA (2MP)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on
	WDR	120dB Super WDR
	Shutter Time	1/100000s~1s
	IR Distance	Up to 50m
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	S/N	>55dB
Lens	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°(2.7~13.5mm) H100°~H33°/D115°~D38°/V54°~V18°(3~10.5mm) H42°~H17°/D48°~D19°/V24°~V9°(7~22mm)
	Mount	Φ14
	Focus Control	Auto/Manual
	Iris Control (Optional for I Series)	Auto/Manual
LPR	Max. Vehicle Speed	200km/h
	Recognition Accuracy	>95%
	Coverage	Support simultaneous detection of 4 regions
	White/Black List	Up to 1000 records inside the camera
Video	Max. Image Resolution	1920x1080
	Primary Stream	60Hz/50Hz: 90fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz/50Hz: 90fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
	Video Compression	H.265$^+$/H.265(HEVC)/H.264$^+$/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
	Privacy Masking	Up to 24 areas
	ROI	Up to 8 areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1 (Multi-interface Version)
	Alarm I/O	1/1 (Multi-interface Version)

AI LPR Motorized Mini Bullet 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
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
System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Black/White List, 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) / DC 12V±10%
	Power Consumption	8W MAX 10W MAX (With IR on)
	Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance
	Weight	825g
	Dimensions	Φ76mmX239.5mm
	Warranty	3/5 Years

Structure Diagrams

IR LEDs

Lens

IR LEDs

Light Sensor

DC 12V

Ethernet Port (PoE)

microSD/SDHC/SDXC
Card Slot

Reset Button

9mm

4mm

Audio I/O

DC 12V

Alarm I/O

Ethernet Port

(Multi-interface Version)

239.5

156.5

150

143.9

31

Ø4.3   Ø76

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