Milesight

2/5 Megapixel H.265 Motorized Mini Bullet Network Camera

H.265⁺ HEVC | Starlight | **Super WDR** | IR | Weather Proof | Privacy Masking

3-Axis | SDXC | POE | Profile S G T Onvif | VCA

IP67

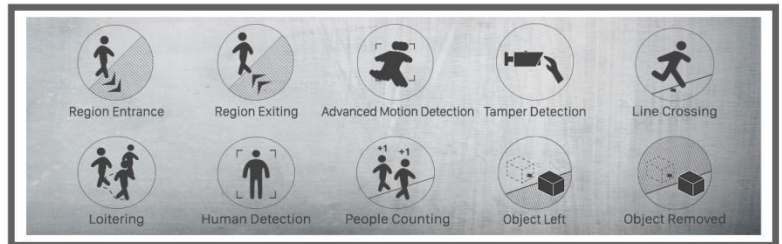## Motorized Lens

MS-C2963-(R)F(I)PB/MS-C5363-(H)F(I)PB

DATASHEET

KEY FEATURES

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

▶ 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.)

Video Content Analysis

Milesight VCA with 10 detection modes provides advanced, accurate smart video analysis for Milesight network cameras, enabling the comprehensive surveillance function and quicker response to different monitoring scenes.

Region Entrance | Region Exiting | Advanced Motion Detection | Tamper Detection | Line Crossing
Loitering | Human Detection | People Counting | Object Left | Object Removed
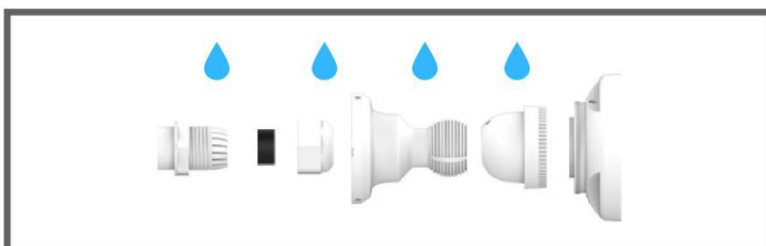

by Milesight Camera | by Smart Phone

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.

140dB Super WDR

Milesight's 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 140dB.

Milesight Super WDR OFF | Milesight Super WDR ON

Weather-proof Design

For easy management and weather resistant, the camera is also equipped with a mounting bracket that conceals the cable within, offering a well-rounded protection of the cable from any water, dust or shock damages.
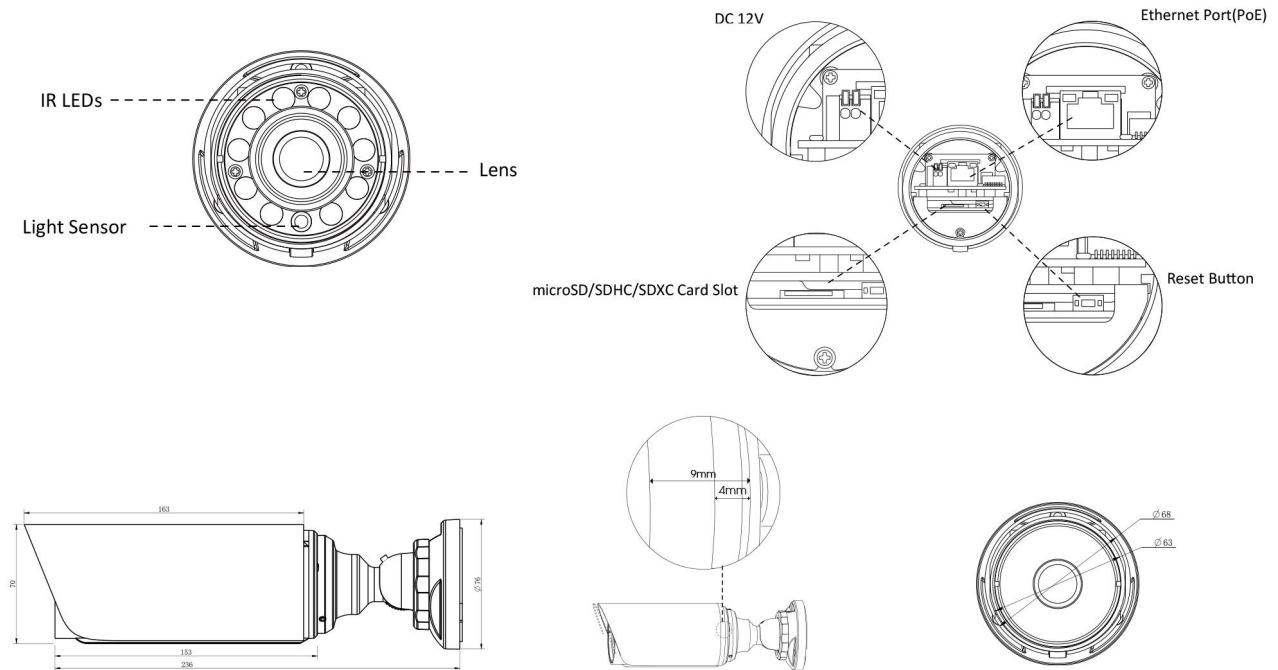
Milesight | www.milesight.com

Model		MS-C2963-(R)F(I)PB (2MP)	MS-C5363-(H)F(I)PB (5MP)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR
	Lens	Motorized 2.7~13.5mm/2.8~12mm @F1.4 P-Iris(Optional)	
	Mount	Φ14	
	Field of View	H92°~H32°/ D106°~D37°/ V51°~V18° (2.7~13.5mm)	H83°~H30°/ D104°~D37°/ V62°~V22° (2.7~13.5mm)
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	
	Day&Night	ICR Filter Auto Switch	
	S/N	>55dB	
Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	**60fps@(1920x1080) (Optional for R Series),** 30fps@(1920x1080, 1280x960, 1280x720, 704x576)	**30fps@(2592x1944), 60fps@(1920x1080) (Optional for H Series),** 20fps@(2592x1944), 30fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	30fps@(704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176)	
	Tertiary Stream	30fps@(1920×1080, 1280×720, 704×576, 640×480, 640×360, 320×240, 320x192, 320x176)	
	Video Compression	H.265$^+$/H.265(HEVC)/H.264$^+$/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Network	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Network Storage	NAS(Support NFS, SMB/CIFS)	
	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, 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.	
	Video Analysis (Optional)	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed	
	System Compatibility	ONVIF Profile S & G & T	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3af)/ DC 12V±10%	
	Power Consumption	5.5W MAX 9.5W MAX (With IR on)	4.5W MAX 7W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Weight	820g	
	Dimensions	Φ76mmX236mm	
	Warranty	3/5 Years	

V7.17

Structure Diagrams

IR LEDs

Lens

Light Sensor

DC 12V

Ethernet Port(PoE)

microSD/SDHC/SDXC Card Slot

Reset Button

9mm

4mm

163
70
153
236
Ø76

Ø68
Ø63

Units: mm

Accessories Support

A01 Pole Mount

Weight: 720g
Dimensions: 170*51.5*152.6mm

A02 Internal Corner Bracket

Weight: 540g
Dimensions: 170*23.2*205.3mm

A03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.6*76.3mm

A63 Junction Box

Weight: 620g
Dimensions: 134*127*40mm

Naming Convention

MS-C   2   9   63-   R   F   I   PB

2 - 2MP (5 - 5MP)

Sensor

Mini Bullet

R - High Frame Rate (60fps)
(H - 30fps@5MP Series)

Motorized Lens

P-Iris

PoE+H.265