

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



















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.





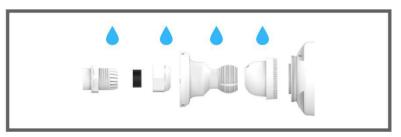
0.002Lux Ultra Low-light

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.





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.

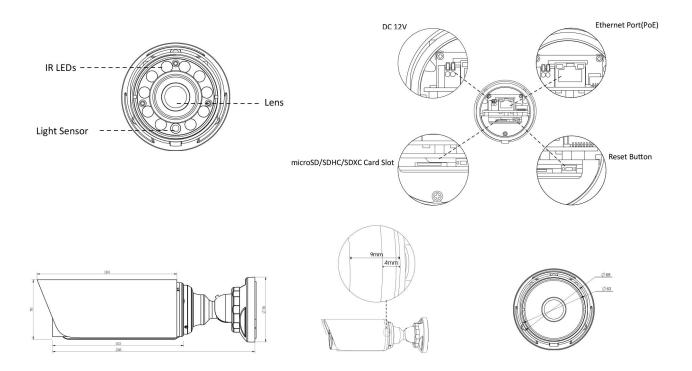
H.265 Motorized Mini Bullet Network Camera



Model					
Min. Illumination	Camera	Model	, , , , ,		
Camera Mm. Illumination B/W: OLux with IR on B/W: OLux with IR on VCA 140dB Super WDR 120dB Super WDR Lens P-140dD Super WDR 120dB Super WDR Mount 0-14 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 1/1000005**15 H83**H30*/ D104**D37*/V62**V22* (2.7*13.5mm) Video 3/1000005**15 H83**H30*/ D104**D37*/V62**V22* (2.7*13.5mm) Video 3/1000005**15 1/1000005**15 1/1000005**15 Video 1/1000005**15 1/1000005**15 1/1000005**15 1/1000005**12 <tr< td=""><td>Image Sensor</td><td colspan="2">1/2.8" Progressive Scan CMOS</td></tr<>		Image Sensor	1/2.8" Progressive Scan CMOS		
Lens		Min. Illumination			
Lens		WDR	140dB Super WDR	120dB Super WDR	
Mount		Lens	·		
Shutter Time		Mount	Ф14		
R Distance		Field of View	H92°~H32°/ D106°~D37°/ V51°~V18° (2.7~13.5mm)	H83°~H30°/ D104°~D37°/ V62°~V22° (2.7~13.5mm)	
Day&Night S/N 5558		Shutter Time	1/100000s~1s		
Max. Image Resolution		IR Distance	Up to 50m		
Video Max. Image Resolution 1920x1080 2592x1944 Video 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) Video Secondary Stream 30fps@(1920x1080, 1280x720, 704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176) Tertiary Stream 30fps@(1920x1080, 1280x720, 704x576, 640×480, 640×360, 320x240, 320x192, 320x176) Video Compression H.265*/H.266/HEVC/JNL264*/H.264*/JNL264		Day&Night	ICR Filter Auto Switch		
Video Secondary Stream 30fps@(1920x1080) (Optional for R Series), 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 30fps@(2592x1944), 30fps@(1920x1080, 1280x960, 1280x720, 704x576) Secondary Stream 30fps@(1920x1080, 1280x960, 1280x720, 704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176) 1280x720, 704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176) Video Compression Video Bit Rate 16Kbps~16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness Ethernet 1*R145 10M/100M Ethernet Port Network Storage 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, DFG, SNC Card Local Storage, up to 256G FVEVI Action Yes, Voice & Video-over-IP 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 Over Consumption Over Consumption Fower Consumption 5.5		S/N	>55dB		
Video Optional for R Series), 30fps@(1920x1080), (Optional for R Series), 30fps@(1920x1080, 1280x960, 1280x720, 704x576) Optional for H Series), 20fps@(2592x1944), 30fps@(1920x1080, 1280x960, 1280x720, 704x576) Secondary Stream 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x176) 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x176) Video Compression H.265*/H.265(HEVC)/H.264*/H.264/MJPEG 20x240, 320x192, 320x176) Video Bit Rate 16Kbps~16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness 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, DNS, DNS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, SIP, PPDeE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Storage Support microSD/SDHC/SDNC Card Local Storage, up to 256G Advanced Function Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur SIP/VolP Support Yes, Voice & Video-over-IP Event Action FTP Upload, SMTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Event Action FROM SMTP Upload, SMTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis (Optional) Region Entrance, Region	Video	Max. Image Resolution	1920x1080	2592x1944	
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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 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, UDPnP, SIP, PPPOE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Storage Support microSD/SDHC/SDXC Card Local Storage, up to 256G 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 Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, (Optional) Human Detection, People Counting, Object Left, Object Removed System Compatibility Overall Setting Set		Secondary Stream	30fps@(704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176)		
Video Bit Rate 16Kbps~16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness		Tertiary Stream	30fps@(1920×1080, 1280×720, 704×576, 640×480, 640×360, 320×240, 320x192, 320x176)		
Image Setting Brightness/Contrast/Saturation/Sharpness		Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG		
Ethernet Network Storage 1*RJ45 10M/100M Ethernet Port Network Storage NAS(Support NFS, SMB/CIFS)		Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network Storage Protocol Proto		Image Setting	Brightness/Contrast/Saturation/Sharpness		
Protocol IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Storage Support microSD/SDHC/SDXC Card Local Storage, up to 256G Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur SIP/VoIP Support 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 Working Temperature Working Humidity O°90%(Non-condensing) Power Supply Poet (802.3af)/ DC 12V±10% General Power Consumption 7.55W MAX 4.5W MAX 9.5W MAX (With IR on) 7W MAX (With IR on)	Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
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Event Trigger Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis (Optional) System Compatibility Working Temperature Working Humidity Power Supply Power Consumption Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed ONVIF Profile S & G & T 40°C~60°C Working Humidity Power Supply Power Supply Power Consumption S.SW MAX 5.SW MAX 9.SW MAX (With IR on) 7W MAX (With IR on)		Advanced Function			
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 Working Temperature Working Humidity Power Supply Power Supply Power Consumption S.5W MAX Power Consumption FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed ONVIF Profile S & G & T -40°C~60°C Working Humidity Power Supply Power Supply Power Consumption S.5W MAX 4.5W MAX 7W MAX (With IR on)			·		
Video Analysis (Optional) Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed					
Coptional Human Detection, People Counting, Object Left, Object Removed		Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
Working Temperature Working Humidity Power Supply Power Consumption Working Temperature -40°C~60°C 0~90%(Non-condensing) PoE (802.3af)/ DC 12V±10% 5.5W MAX 4.5W MAX 7W MAX (With IR on)		'			
Working Humidity Power Supply Power Consumption O~90%(Non-condensing) PoE (802.3af)/ DC 12V±10% 5.5W MAX 4.5W MAX 9.5W MAX (With IR on)		System Compatibility	ONVIF Profile S & G & T		
General Power Supply Power Consumption PoE (802.3af)/ DC 12V±10% 5.5W MAX 9.5W MAX (With IR on) 4.5W MAX 7W MAX (With IR on)	General	Working Temperature	-40°℃~60°ℂ		
General Power Supply Power Consumption PoE (802.3af)/ DC 12V±10% 5.5W MAX 9.5W MAX (With IR on) 4.5W MAX 7W MAX (With IR on)		Working Humidity	0~90%(Non-condensing)		
Power Consumption 9.5W MAX (With IR on) 7W MAX (With IR on)			·		
		Power Consumption	i i		
		Weather Proof			
Weight 820g		Weight			
Dimensions Φ76mmX236mm		Dimensions	Ф76mmX236mm		
Warranty 3/5 Years		Warranty	3/5 Years		



Structure Diagrams



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

63-PB MS-C 2 - 2MP (5 - 5MP) Mini Bullet P-Iris Sensor R - High Frame Rate (60fps) Motorized Lens PoE+H.265 (H - 30fps@5MP Series)

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