

LPR H.265⁺ Mini Bullet Network Camera









 $R_{\rm E}$









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.)

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.



30fps@1080P

120fps

With the industry leading frame rate reaching 120fps, 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.

3 in 1 Super WDR Pro - 140dB

Milesight upgraded 3 in 1 Super WDR Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.



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.

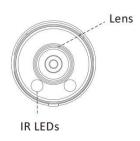
LPR H.265⁺ Mini Bullet Network Camera

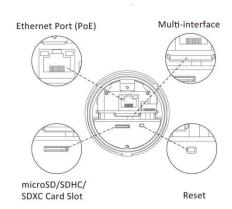


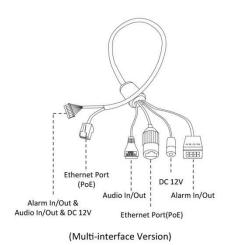
Image Sersor			MS-C2963-(Q)(R)LPB
Image Sensor		Model	
Min. Illumination 140dB Super NDR (pot is optional for Q Series)		Image Sensor	
Lens		Min. Illumination	
Mount		WDR	140dB Super WDR (Super WDR Pro is optional for Q Series)
Field of View		Lens	4mm/2.8mm/6mm @F1.6
Eield of View		Mount	M12
IR Distance	Camera	Field of View	H111°/D128°/V61°(2.8mm)
Day&Night SCF Filter Auto Switch SCF S		Shutter Time	1/100000s~1s
S/N		IR Distance	Up to 50m
Max. Wehicle Speed 120km/h Max. Image Resolution 1920x1080 Primary Stream 120fps@(1920x1080)(Optional for Q Series), 60fps@(1920x1080, 1280x920, 704x576) Secondary Stream 60fps@(70xb576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) Video Tertiary Stream 30fps@(1920x1080, 1280x220, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Video Bit Rate Image Setting 16xbps*16xbps(ClbR/VBR Add, 640x360, 320x240, 320x192, 320x180) Network 1ryds 10xy100M Ethernet Port Network Storage 1ryds 10xy100M Ethernet Port Network Storage 1Pv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, DNA, DNA, DNA, PCP, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Compression Audio I/O 1/1 (Multi-Interface Version) Audio I/O 1/1 (Multi-Interface Version) Storage Support microSD/SDHC/SDXC Card Local Storage, up to 256G Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, RDL SIP/VolP Support Support microSD/SDHC/SDXC Card Local Storage, up to 256G Event Trigger Black/White List, Motion Detection, Network Disconnection, Estemal Input, Audio Alarm, etc. (Multi-interface Version) FTP Upload, SMTP Upload, SMTP Upload, SMTP Upload, SD Card Record, SP Phone, HTTP Notification, etc. HO		Day&Night	ICR Filter Auto Switch
Max. Image Resolution		S/N	>55dB
Primary Stream 120fps@(1920x1080)(Optional for Q Series), 60fps@(1920x1080, 1280x900, 1280x920, 704x576)		Max. Vehicle Speed	120km/h
Video Fertiary Stream Fortiary	Video	Max. Image Resolution	1920x1080
Video Tertiary Stream 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Video Compression H.265YH.265(HEVC)H.264/H.264/H.264/M.19EG Video Bit Rate 16kbps*16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness Ethernet 1*RJ45 10M/100M Ethernet Port Network Network Storage NAS(Support NFS, SMB/CIFS) Protocol IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSR, RTMNP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMT		Primary Stream	120fps@(1920x1080)(Optional for Q Series), 60fps@(1920x1080, 1280x960, 1280x720, 704x576)
Video Compression H.265/H.265/H.265/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) IPV4/IPV6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, DNS, DDNS, DNCP, FTP, NTP, SMTP, SMMP, UPNP, Bonjour, SIP, PPDE, VLAN, 802.1x, QOS, IGMP, ICMP, SSL UPNA/IPV6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, FD, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, UPNP, Bonjour, SIP, PPDE, VLAN, 802.1x, QOS, IGMP, ICMP, SSL UPNA, BOS, USN, QOS, IGMP, ICMP, SSL UPNA, UPNA, WOS, USN, QOS, IGMP, ICMP, SSL UPNA, UPNA, WOS, UPNA, WOS, USN, QOS, IGMP, ICMP, SSL UPNA, USN, QOS, IGMP, ICMP, ISNP, I		Secondary Stream	60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
Video Compression H.265/H.265/HEVC)/H.264/MJPEG Video Bit Rate 16kbps*16Mbps(CBR/MPR Adjustable) Minage Setting Brightness/Contrast/Saturation/Sharpness		Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
Video Bit Rate 16kbps~16Mbps(CBR/VBR Adjustable)			
Image Setting Brightness/Contrast/Saturation/Sharpness		· ·	
Network Storage		Image Setting	
Protocol IPv4/IPv6, ARP, TCP, UDP, RTCP, RTR, RTSP, RTMP, HTTP, DNS, DDNS, DHCP, FTP, NTP, SMMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Compression Audio I/O 1/1 (Multi-interface Version) Alarm I/O 1/1 (Multi-interface Version) Alarm I/O 1/1 (Multi-interface Version) Advanced Function Defog, AWB, EIS, IP Address Filtering, AGC, Anti-filicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Yes, Voice & Video-over-IP Event Trigger Black/White List, Motion Detection, Network Disconnection, etc. Black/White List, Motion Detection, Network Disconnection, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) System Compatibility ONVIF Profile S & G & T & Q Working Temperature -40°C*60°C Working Humidity -90%(Non-condensing) Power Consumption -90%(Non-condensing) Power Consumption -90% (Multi-interface Version) Weather Proof Up to IP67-rated for Weather-resistant Performance Vandal-proof IK10-rated Metal Housing Weight -750g Dimensions -750g ### Offilm X214.5mm	Network	Ethernet	1*RJ45 10M/100M Ethernet Port
Protocol Profice Protocol Prof. Prof.		Network Storage	NAS(Support NFS, SMB/CIFS)
Audio Compression Audio I/O Audio I/O Audio I/O Alarm I/O Storage Alarm I/O Storage Advanced Function SIP/VoIP Support Event Action License Plate Recognition System Working Temperature Working Humidity Power Consumption General General Audio I/O Alarm I/O Storage Alarm I/O Storage Alarm I/O Storage Advanced Function 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, Watermark Ves, Voice & Video-over-IP Event Trigger Black/White List, Motion Detection, Network Disconnection, etc. Black/White List, Motion Detection, Network Disconnection, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity O=90%(Non-condensing) Pote (802.3af); Power Supply Pote (802.3af) / DC 12V ± 10% (Multi-interface Version) 4.2W MAX 5.7W MAX (With IR on) Weather Proof Up to IP67-rated for Weather-resistant Performance Housing Vandal-proof IK10-rated Metal Housing Weight T50g Dimensions ### Comparison of Compari		Protocol	
Addio I/O Alarm I/O Alarm I/O Storage Advanced Function SIP/VoIP Support Event Trigger Event Action License Plate Recognition System Ompatibility General General General General Addio I/O Alarm I/O Alarm I/O 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, Watermark Yes, Voice & Video-over-IP Event Trigger Black/White List, Motion Detection, Network Disconnection, etc. Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version) FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Not	Audio	Audio Compression	
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, Watermark SIP/VoIP Support Yes, Voice & Video-over-IP Event Trigger Black/White List, Motion Detection, Network Disconnection, etc. Black/White List, Motion Detection, External Input, Audio Alarm, etc. (Multi-interface Version) FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) System Compatibility ONVIF Profile S & G & T & Q Working Temperature 4-40°C *60°C Working Humidity 0**090%(Non-condensing) Power Supply Poet (802.3af); Poet (802.3af) / DC 12V ± 10% (Multi-interface Version) 4.2W MAX 5.7W MAX (With IR on) Weather Proof Up to IP67-rated for Weather-resistant Performance Housing Vandal-proof IK10-rated Metal Housing Weight 750g Dimensions Ф76mmX214.5mm		Audio I/O	1/1 (Multi-interface Version)
Advanced Function Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Event Trigger Black/White List, Motion Detection, Network Disconnection, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) Support System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Supply Poet (802.3af) / DC 12V ± 10% (Multi-interface Version) 4.2W MAX 9.7W MAX (With IR on) Weather Proof Housing Weight Pomensions Dimensions Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Power Voice & Video-over-IP Ves, Voice & Video-over-IP Vestwork Disconnection, tetwork Disconnection, etc. (Multi-interface Version) 4.2W MAX 4.2W MAX 5.7W MAX (With IR on) Weather Proof Housing Vandal-proof IK10-rated Metal Housing Vandal-proof IK10-rated Metal Housing Vandal-proof IK10-rated Metal Housing Poince Supply Poince Supply		Alarm I/O	1/1 (Multi-interface Version)
Advanced Function Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Event Trigger Event Action License Plate Recognition System Compatibility Working Temperature Working Humidity Power Supply Power Consumption Weather Proof Housing Weight Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark Yes, Voice & Video-over-IP Yes, Voice & Video-over-IP Sey, Voice & Video-over-IP Black/White List, Motion Detection, Network Disconnection, etc. Black/White List, Motion Detection, Detection, Actor	System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
Event Trigger Black/White List, Motion Detection, Network Disconnection, etc.		Advanced Function	
Black/White List, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. (Multi-interface Version) FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) License Plate Recognition System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Poe (802.3af); Power Consumption 4.2W MAX FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. (Multi-interface Version) Weather Proof Up to 1P67-rated for Weather-resistant Performance Housing Weight T50g Dimensions O76mmX214.5mm		SIP/VoIP Support	Yes, Voice & Video-over-IP
Event Action License Plate Recognition System Compatibility Working Temperature Working Humidity Power Supply Power Consumption Weather Proof Housing Weight Dimensions FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc. (Multi-interface Version) Support ONVIF Profile S & G & T & Q Working Temperature -40°C~60°C Working Humidity Power Supply PoE (802.3af); PoE (802.3af); PoE (802.3af) / DC 12V ± 10% (Multi-interface Version) 4.2W MAX 5.7W MAX (With IR on) Weather Proof Housing Vandal-proof IK10-rated Metal Housing Vandal-proof IK10-rated Metal Housing Weight 750g Dimensions		Event Trigger	
System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Supply Power Consumption Weather Proof Housing Weight Dimensions Working Temperature -40°C~60°C Working Humidity Poe (802.3af); PoE (8		Event Action	
Working Temperature Working Humidity 0~90%(Non-condensing) Power Supply PoE (802.3af); PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version) 4.2W MAX 5.7W 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		License Plate Recognition	Support
Working Humidity 0~90%(Non-condensing) Power Supply PoE (802.3af); PoE (802.3af); PoE (802.3af) / DC 12V±10% (Multi-interface Version) 4.2W MAX 4.2W 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		System Compatibility	ONVIF Profile S & G & T & Q
Power Supply Power Supply Power Consumption Power Consumption Weather Proof Housing Weight Dimensions Poe (802.3af); PoF (802.	General	Working Temperature	-40°C~60°C
General Power Supply PoE (802.3af) / DC 12V±10% (Multi-interface Version) 4.2W MAX 5.7W 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		Working Humidity	0~90%(Non-condensing)
General Power Consumption 5.7W 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		Power Supply	, , , ,
Housing Vandal-proof IK10-rated Metal Housing Weight 750g Dimensions Φ76mmX214.5mm		Power Consumption	
Weight 750g Dimensions Φ76mmX214.5mm		Weather Proof	·
Dimensions Φ76mmX214.5mm		Housing	Vandal-proof IK10-rated Metal Housing
		Weight	750g
Warranty 3/5 Years		Dimensions	Ф76mmX214.5mm
		Warranty	3/5 Years

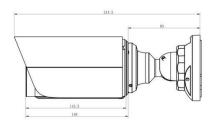


Structure Diagrams

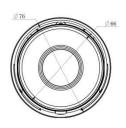












Units: mm

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

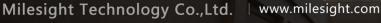
Weight: 900g Dimensions: 170*152.6*76.3mm



A63 Junction Box

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





Contact Us:sales@milesight.com support@milesight.com

Add: 220 NE 51st Street, Oakland Park, Florida 33334, USA Tel: +1-800-561-0485

Add: 925, Anyang SK V1 Center, LS -ro 116beon-gil, Dongan-gu, Anyang-si, Korea Tel: +82-31-990-7772

Add: No.23 Wanghai Road, 2nd Software Park, Xiamen, China Tel:+86-592-5922772

