Entrance & Exit Management

Milesight

AI		Supplement Light	IR	Super WDR	Starlight
PoE	Weather-proof	Vandal-proof	GQST Onvif		

INTRODUCTION

Milesight Entrance & Exit Management Camera combines video surveillance with AI, ANPR and other cutting-edge technologies to help traffic management systems intelligently monitor and manage traffic behavior at entrances and exits. Based on real-time data, valuable insights are obtained to optimize the traffic flow at the entrance and exit, reduce the risk of accidents, and deal with emergencies more efficiently. It can be widely used in the security gate system, which can significantly improve management efficiency and make traffic more intelligent, safe and smooth.

Entrance & Exit AI LPR Pro Dome Camera

- Advanced Motorized Lens
- Smart IR II Technology
- 140dB Super WDR
- Up to 20m Illumination Distance
- IP67 & IK10
- Versatile Interfaces
- Clamshell Design
- Integrated Cable Management

Entrance & Exit AI LPR Bullet Camera

- Advanced Motorized Lens
- Smart IR II Technology
- 140dB Super WDR
- Up to 20m Illumination Distance
- IP67 & IK10
- Versatile Interfaces
- Unique Structure Design
- Integrated Junction Box

Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera

- Integrated Supplement Light
- Wiegand Protocol Supported
- Advanced Motorized Lens
- Smart IR II Technology
- Up to 20m Illumination Distance
- 140dB Super WDR
- IP67
- Versatile Interfaces
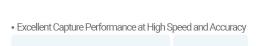- Integrated Cable Management Bracket

Entrance & Exit Management

Excellent Capture Performance

• Superior Image Quality for 24/7 Traffic Monitoring

By Conventional Camera
HLC Off
By Milesight Camera
HLC On

• Accurately Capture Plates of Fast Moving Vehicles

Dynamic Clarity Off
Dynamic Clarity On
100fps@1080P
30fps@1080P

• Excellent Capture Performance at High Speed and Accuracy

>98%

200km/h
Recognizable Speed

4 Detection Regions

License Plate Serial Format

AI-empowered LPR

• Embedded AI LPR Algorithm

SF154F
SH734N
MS988P
AI

• AI-based Vehicle Attributes Recognition

Vehicle Brand
Vehicle Type
Plate Color
Vehicle Color

• Broad Range of Countries and Regions Supported

Milesight ANPR REGION SUPPORT MAP

NK1SK 999
E 561 FCS
1233DC33
N 28885
017 3274
AAO-00A
MK 416-7517
XV 45DA

Plate Management & Search

• LPR Smart Search Function

Direction | Approach
Plate Color | Yellow
Vehicle Color | Red
Vehicle Type | Car
Plate | MS8888C

• Black/White List Management

JS·220L
JS·520L

• Plate Data Management

8:00am-6:00pm
6:00pm-10:00pm
4:00am-5:00pm

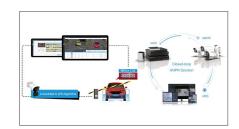## Evidence Camera Linkage Improves Enforcement Efficiency

• Linking LPR Camera and Regular Camera for Evidence Capture

• LPR Camera for License Plate Recognition and Linkage Triggering

• Regular Camera for Full Snapshot of the Scene

MS 9527kz

Extensive Compatibility

• Versatile Interface

- Wiegand Interface Supported

- A Whole Array of Interfaces including Alarm I/O, Audio I/O, DC 12V and PoE Port.

Ethernet Port
DC 12V
Audio I/O
Alarm I/O
Wiegand Interface

• Stand-alone LPR Solution & Closed-loop Back-end Integration

White List
NVR
ANPR
Closed-loop
ANPR Solution
Embedded AI LPR Algorithm
VMS

• Open Integration with 3rd Party

- 3rd Integration with CGI/APIs

- Push All Data to the 3rd Integration Systems

MS-C2961-X23TLPC
Wiegand Protocol Supported
Access Control System
MS 1234C

	Name	Entrance & Exit AI LPR Bullet Camera	Entrance & Exit AI LPR Pro Dome Camera
Camera	Appearance		
	Model	MS-C2964-RFLPC (2MP)	MS-C2972-RFLPC (2MP)
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°	H115°~H34°/D135°~D39°/V62°~V19°
	Mount	Φ14	
	Focus Control	Auto/Manual	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	White/Black List	Up to 1000 records inside the camera	
	LPR Smart Search	Support	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1 (Multi-interface Version)	Built-in Microphone and 1 Audio Output interface
	Alarm I/O	1/1 (Multi-interface Version)	1/1
Video	Max. Image Resolution	1920x1080	
	Primary Stream	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	

Category	Item	Specification	
Video	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
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	System Compatibility	API, HTTP, TCP, ONVIF Profile G & Q & S & T	
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, 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, External Input, Audio Alarm, etc.	
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
General	Working Temperature	-40℃~60℃	
	Working Humidity	0~95%(Non-condensing)	
	Power Supply	PoE (802.3af) / DC 12V±10%	
	Power Consumption	7W MAX 9W MAX (With IR on)	8W MAX 10W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Housing	Vandal-proof IK10-rated Metal Housing	
	Weight	825g	1100g
	Dimensions	Φ76mmX239.5mm	Φ143mmX108.4mm
	Warranty	3/5 Years	

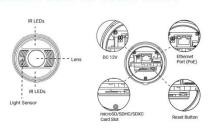|	Name	Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera	
Camera	Appearance		
	Model	MS-C2966-RFLWPC /W (2MP)	MS-C2966-RFLWPC /R (2MP)
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	
	WDR	140dB Super WDR	
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm@F1.4	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18°	
	Mount	Φ14	
	Focus Control	Auto/Manual	
Entrance & Exit Management	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>98%	
	Coverage	Support simultaneous detection of 4 regions	
	Country/Region Supported	More than 80 countries and regions	
	Illumination Distance	Up to 20m	
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture	
	White/Black List	Up to 1000 records inside the camera	
	LPR Smart Search	Support	
Illuminator	Supplement Light	White LED Light	IR LED Light
	Light Bead	6 (For White LED Light)	9 (For IR LED Light)
	Light Control	Auto/Always On/Off/Customize	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
	Wiegand	Standard Wiegand 26-bit	
Video	Max. Image Resolution	1920x1080	
	Primary Stream	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	

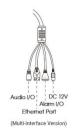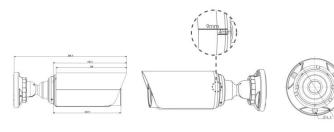|		
Video	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 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 28 areas(24 mask areas and 4 mosaic areas)
	ROI	Up to 8 areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness
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	System Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & Q & S & T
	Storage	microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, 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, External Input, Audio Alarm, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.
General	Working Temperature	-40℃~60℃
	Working Humidity	0~95%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V±10%
	Power Consumption	5W MAX / 25W MAX (For White LED Light) 5W MAX / 25W MAX (For IR LED Light)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing (Without Supplement Light)
	Surge Protection	4KV
	Weight	1630g 2075g (With Supplement Light)
	Dimensions	320mmX134mmX126mm 320mmX134mmX231mm (With Supplement Light)
	Warranty	3/5 Years

V1.0

Entrance & Exit Management

Structure Diagrams

Entrance & Exit AI LPR Bullet Camera

Entrance & Exit AI LPR Pro Dome Camera

Note: The cable is connected with the interface board by default.

Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera

Note: Switching to web side to use Wiegand and Alarm Output.

Units: mm

Accessories Support

Entrance & Exit AI LPR Bullet Camera

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

Entrance & Exit AI LPR Pro Dome Camera

A01 Pole Mount
Weight: 720g
Dimensions: 170*51.5*152.6mm

A03 External Corner Bracket
Weight: 900g
Dimensions: 170*152.5*76.3mm

A72 Wall Mount
Weight: 560g
Dimensions: 240*160*136mm

AC-72 Smoked Dome Cover
For concealing where a camera is pointed

A75 Junction Box
Weight: 200g
Dimensions: 145*167*33.5mm

A76 Pendant Mount
Weight: 620g
Dimensions: 136*L (Lis default as 300mm, also can be extended with A76-L)

A76-L Extension Lever
Weight: 315g
Dimensions: 34*300mm

A78 Recessed Mount
Weight: 715g
Dimensions: 256*256*94mm

Entrance & Exit Supplement Light AI LPR Pro Bullet Plus Camera

A62 Junction Box (Default)
Weight: 510g
Dimensions: 134*126*40mm

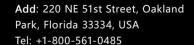A01 Pole Mount
Weight: 720g
Dimensions: 170*51.5*152.6mm

A03 External Corner Bracket
Weight: 900g
Dimensions: 170*152.5*76.3mm