

Entrance & Exit Full-Scene Sensing Camera SV-PR-M3B-EX

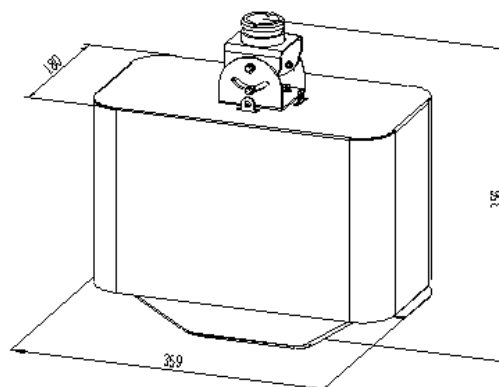
Making Cities Better

Product Overview

The product is an ultra-high-definition intelligent perception hardware product developed for intelligent perception at urban enclosed parking lot entrances and exits, based on deep-learning AI video image recognition technology.

The product is designed for entrance and exit lanes of enclosed parking lots. It integrates vehicle U-turn, tailgating, lane congestion, and person loitering detection to address complex and abnormal entrance and exit management scenarios and improve intelligent parking management.

Product Appearance



Functional Features

- Built-in high-performance AI computing module, supporting various complex scenarios with 24/7 real-time management.
- Supports 8-megapixel resolution, featuring a starlight-level low-illumination 1/1.2-inch CMOS image sensor.
- Detects abnormal entry and exit behaviors, including vehicle U-turns, consecutive tailgating, and lane congestion.

BLUE ROBOT AI

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- Monitors traffic status and counts vehicles entering and exiting parking facilities.
- Supports standalone or remote IoT management, with an SDK protocol for device data integration.

Technical Parameters

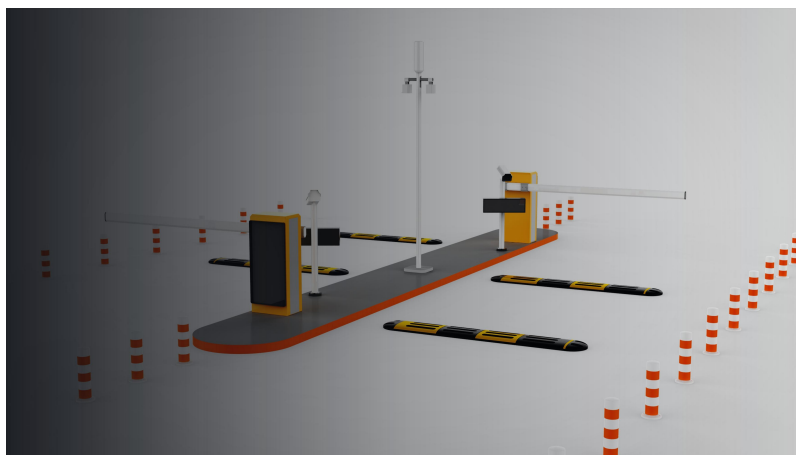
Parameter Name	Parameter Value
Basic Parameters	
Sensor Type	1/1.2-inch starlight CMOS
RAM	4 GB
Flash Memory	32 GB; external expansion supported
Sensor Resolution	8 MP
Lens Focal Length	6 mm / F1.0 3.12 mm / F1.8
Electronic Shutter	Auto / Manual, 1/25 to 1/1000 s
Exposure Mode	Auto / Manual / Custom
Minimum Illumination	Color: 0.001 lx (AGC ON) B/W: 0.0001 lx (AGC ON)
Video Output	Main Stream: 3840 x 2160 @ 30 fps, configurable Sub Stream: 1920 x 1080 @ 30 fps, configurable
Video Frame Rate	1 to 30 fps
Video Bitrate	256 Kbps to 16 Mbps
Compression	H.264 / H.265
Image Format	JPEG
Wide Dynamic Range	Digital WDR supported
Noise Reduction	2D / 3D digital noise reduction
Day/Night Mode	Automatic / Manual switching
Functional Parameters	
OSD Overlay	Time, location, lane information, and other data
Time Synchronization	NTP time synchronization supported
Access Standards	ONVIF, GB/T 28181



Parameter Name	Parameter Value
Intelligent Applications	
Detection Range	Up to 27 m below the mounting point
Abnormal Entry/Exit Alarm	Vehicle U-turn and consecutive tailgating alarms
Lane Congestion Alarm	Lane congestion detection and alarm
Loitering Detection	Person loitering detection and alarm
External Interfaces	
Network Interface	2 x 100/1000 Mbps auto-sensing RJ45 Ethernet ports
Power Interface	DC5521, 5.5 x 2.1 mm DC jack
General Parameters	
Dimensions	359 mm x 356 mm x 180 mm
Power Supply	12 V DC +/-5%
Power Consumption	12 W
Fan	1 built-in fan
Sensors	Temperature sensor / Humidity sensor
Weight	Approximately 6.5 kg
Operating Temperature	-30°C to 70°C
Operating Humidity	<95%, non-condensing
Ingress Protection	IP67

Application Scenarios

Enclosed parking facility entrances and exits



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