

# Entrance & Exit Full-Scene Sensing Camera

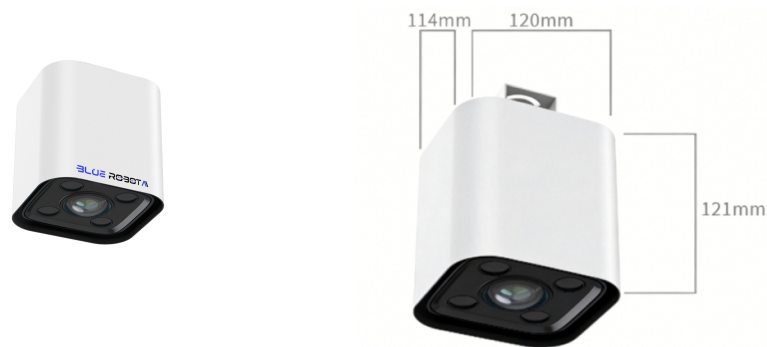
## SV-PR-M1A-EX

**Making Cities Better**

### Product Overview

The product is an ultra-high-definition intelligent perception hardware product developed for the field of intelligent perception at urban closed parking lot entrances and exits, based on deep learning artificial intelligence video image recognition technology. The product is suitable for entrance and exit scenarios of closed parking lot lanes, integrating recognition functions such as vehicle turnaround, tailgating, lane congestion, and personnel loitering at entrances and exits. It can handle various complex and abnormal closed parking lot entrance and exit management scenarios, and improve the intelligent management level of closed parking lots.

### Product Appearance



### Functional Features

- Built-in high-performance AI computing module, supports various complex scenarios, 24/7 all-weather real-time management
- Supports 8MP resolution, 1/1.8-inch starlight low-light CMOS image sensor
- Integrated intelligent LED fill light, remotely controllable based on ambient environment
- Detection of various abnormal entry/exit behaviors at parking lot entrances/exits (vehicle turn-back, continuous tailgating, crowd gathering)
- Traffic status monitoring and vehicle entry/exit counting at parking lot entrances/exits;
- Supports standalone or IoT remote management, provides SDK protocol for device data

### BLUE ROBOT AI

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integration

## Technical Parameters

|                                      |                                                     |
|--------------------------------------|-----------------------------------------------------|
| <b>Basic Parameters:</b>             |                                                     |
| <b>Sensor Type</b>                   | 1/1.8-inch CMOS                                     |
| <b>Sensor Pixel</b>                  | 8MP                                                 |
| <b>Lens Focal Length</b>             | 2.3mm, Fixed                                        |
| <b>Electronic Shutter</b>            | Auto/Manual 1/40-1/1000s                            |
| <b>Exposure Mode</b>                 | Auto/Manual Custom                                  |
| <b>Minimum Illumination (AGC ON)</b> | Color: $\leq 0.001$ lx<br>B/W: $\leq 0.0001$ lx     |
| <b>Video Resolution</b>              | 3840x2160                                           |
| <b>Video Frame Rate</b>              | 30fps                                               |
| <b>Video Bitrate</b>                 | 256 Kbps~16Mbps                                     |
| <b>Compression Standard</b>          | H.264/H.265                                         |
| <b>Image Format</b>                  | JPEG                                                |
| <b>Noise Reduction</b>               | 2D/3D                                               |
| <b>Day/Night Mode</b>                | Auto/Manual Setting Supported                       |
| <b>Functional Parameters:</b>        |                                                     |
| <b>OSD Overlay</b>                   | Time, Location, Lane Information                    |
| <b>Time Calibration Function</b>     | Supported, NTP Time Calibration                     |
| <b>Access Standard</b>               | ONVIF、GB/T 28181                                    |
| <b>Intelligent Applications:</b>     |                                                     |
| <b>Vehicle Turn-back Alarm</b>       | Vehicle Tailgating Alarm                            |
| <b>Lane Congestion Alarm</b>         | Crowd Gathering Alarm                               |
| <b>External Interfaces:</b>          |                                                     |
| <b>Network Interface</b>             | 10/100Mbps Auto-sensing RJ-45 Ethernet Interface x1 |
| <b>Power Interface</b>               | DC5521                                              |
| <b>SD Card</b>                       | Up to 128GB Supported                               |
| <b>常规参数:</b>                         |                                                     |
| <b>Dimensions</b>                    | 120*114*121mm                                       |
| <b>Power Supply</b>                  | DC12V $\pm$ 5%                                      |
| <b>Power Consumption</b>             | 8W                                                  |
| <b>Operating Temperature</b>         | -30~70°C                                            |
| <b>Operating Humidity</b>            | <95% (No Condensation)                              |
| <b>Ingress Protection Rating</b>     | IP67                                                |
| <b>Installation Method</b>           | Ceiling Mount                                       |

## Application Scenarios

Enclosed parking lot entrances and exits

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