

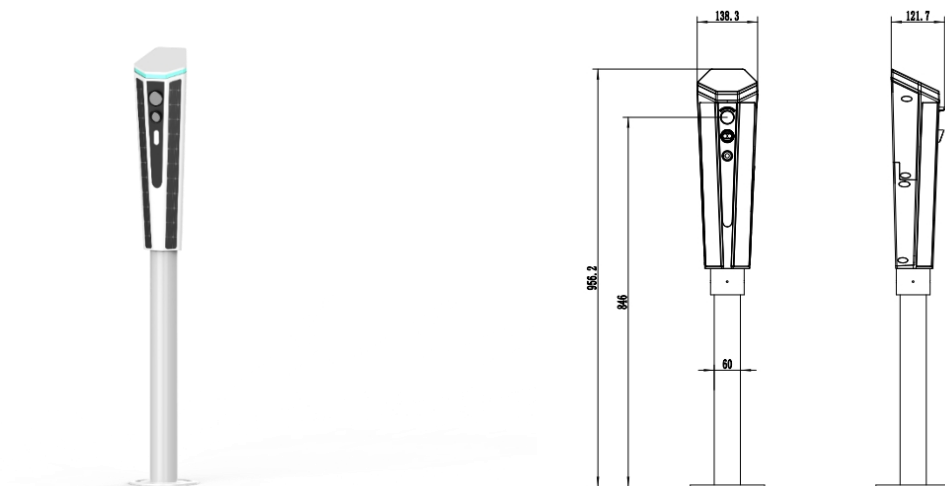
Video Pole Smart Parking Space Management Device (Wiring-Free Version) SV-PR-L1A-EX

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Product Overview

The Video Pole Smart Parking Space Management Device (Wiring-Free Version) is defined as a low-cost intelligent parking space detection device at the roadside. It has a built-in monocular 4MP starlight camera, multi-color indicator lights, fill light, radar, and battery, and can manage one roadside parking space. The product communicates and transmits through 4G network, adopts flange plate and ground cage docking installation method, and features simple installation of integrated structure, low cost, and convenient debugging. The product is mainly oriented to the parking management field, realizing 24-hour all-weather real-time management.

Product Appearance



Functional Features

- The product consists of a monocular 4MP starlight camera, multi-color indicator lights, fill

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light, etc., and can manage one parking space;

- The product adopts vehicle detection and license plate recognition technology, realizing functions such as capturing vehicle images, recognizing license plate numbers, judging parking space occupancy status, and controlling parking space status indicator lights;
- Supports parking space status detection of occupied/vacant parking space;
- License plate recognition rate 99%, vehicle capture rate 99%, supports recognition of various license plates including ordinary blue plates, new energy plates, single/double deck yellow plates, single/double deck military/police plates, embassy plates, Hong Kong/Macau entry/exit mainland plates, emergency plates, etc., including plate number, color, type and other information;
- Supports detection of lens occlusion/dirt, unlicensed/non-motor vehicles, vehicle reverse parking, and vehicle cross-space parking alarms, and captures images;
- The product supports radar and 4G wireless communication modules.

Technical Parameters

Parameter Name	Parameter Value
Basic Parameters	
Sensor Type	1/1.8-inch CMOS
Parking Space Coverage Quantity	1 unit
Parking Space Indicator Light	1 unit
Electronic Shutter	Auto/Manual 1/25S~1/1000S
Image Resolution	Supports capturing images with maximum resolution of 2688 x 1520, supports JPEG format
Video Resolution	2688 x 1520、30fps 1920x1080、30fps 1280x720、30fps
Noise Reduction	3D Digital Noise Reduction
Wide Dynamic Range	Supports
White Balance	Auto/Manual
Video Compression Standard	H.264/H.265
Image Encoding Format	JPEG
Video Bitrate	256Kbps~16Mbps
Edge Enhancement	Supports
Exposure Mode	Supports fully automatic; custom interval automatic; custom
Adaptable Vehicle Speed	0-30 km/h
Functional Parameters	
Safety Mode	Authorized username and password; MAC address binding; HTTPS encryption; network access control
Shutter Mode	Single Shutter
OSD Information Overlay	Supported, including time, date, license plate number, license plate type, license plate color, parking space status, etc.
Alarm Events	Reverse parking, video occlusion, unlicensed vehicles, cross-space parking, non-motor vehicles, occupied parking space, abnormal parking, etc.

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Network Disconnection Resume	Supports
Active Registration	Supports
Image Tamper-proof	Supported (video and images have watermark and verification functions)
Information Security	Identity verification is required to access the selected network digital video pile;
Professional Intelligence	
Vehicle Recognition	Supports vehicle logo, vehicle type, body color, license plate color and number, unlicensed vehicles, ordinary blue plates, yellow plates, new energy plates, armed police plates, military plates, embassy plates, driving school plates, Hong Kong/Macau plates, emergency plates, etc. Vehicle capture rate >99%, license plate recognition rate >99%
Parking Space Status Detection	Supported, occupied/vacant parking space detection, indicator light color can be customized
Parking Direction Detection	Supports front/rear vehicle recognition, reverse parking detection
Illegal Parking Detection	Cross-space parking detection supported
Non-Motor Vehicle/Pedestrian Detection	Can detect non-motor vehicles and pedestrians, supports privacy security management, and can mosaic pedestrians approaching vehicles and equipment
Unlicensed Vehicle Trigger	Unlicensed vehicle capture supported
External Interfaces	
Storage Interface	1 TF Card Interface
Network Interface	4G
Fill Light	1 unit, supports automatic on/off of fill light according to ambient brightness changes, fill light brightness is adjustable
Other Interfaces	
4G Communication	Supported, Full Network
Radar Detection	Supports
Radar Detection Distance/Accuracy	0~600mm/5cm
General Parameters	
Power Supply Method	Solar & Battery
Power Consumption	<5W
Operating Temperature	-30°C~+70°C
Operating Humidity	10%~95% (No Condensation)
Ingress Protection Rating	IP67
Product Dimensions	956.3X138.3X110.1mm
Net Weight	8kg
Installation Method	Bracket Mount
Focus length	4mm

Application Scenarios

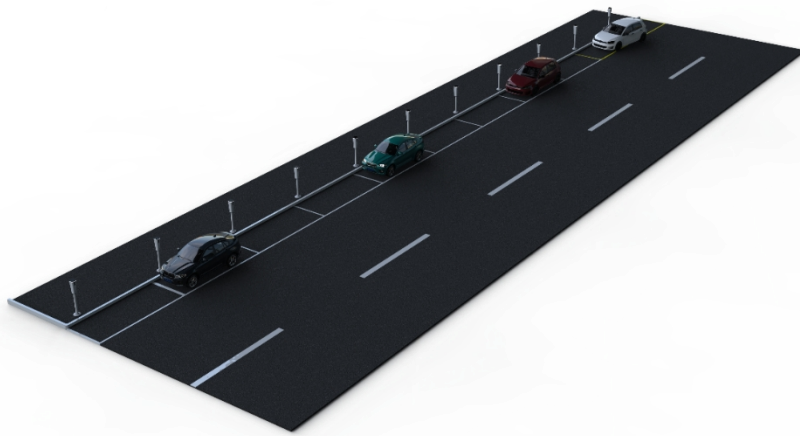
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