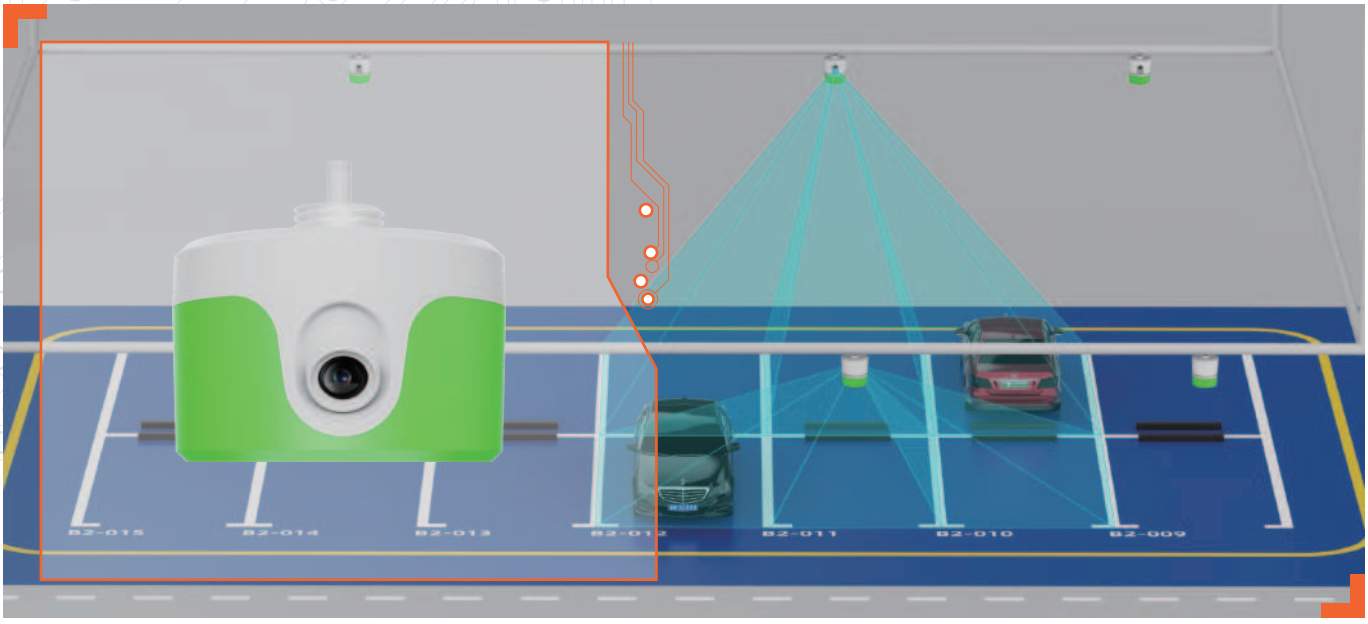
Parking Space ALPR Camera

PCB81-V330



Highlights

- 3MP high-resolution imaging, equipped with advanced parking space detection and license plate recognition algorithms;
- industry-leading recognition speed and accuracy. Improves unlicensed vehicle detection accuracy and supports front/rear plate recognition. Parking space detection accuracy up to 99.8%; license plate recognition accuracy up to 99.6%.
- Supports anti-occlusion for parked vehicles, effectively preventing frequent status changes due to obstruction.
- Auto configuration of recognition zones reduces debugging workload by 50-70%.
- Optional iBeacon module enables Bluetooth indoor navigation when paired with mini-programs.
- Supports 3 external IO-controlled indicator lights (one light per space), with high-brightness, energy-efficient LED light pipes and 7-color display.
- Hand-in-hand network design supports cascading of multiple cameras.
- Built with top-tier components from leading manufacturers; stable hardware architecture with high reliability and protection.
- Equipped with low-light sensor, performs well in both low illumination and strong backlight conditions.

▪ Parameters

Hardware Specifications	Product Name	Parking Space ALPR Camera
	Model	PCB81-V3303（3 parking spaces）、PCB81-V3306（6 parking spaces）
	Processor	Dedicated License Plate Recognition Chip
	AI Computing Power	0.5T
	Sensor Type	1/2.8" CMOS Image Sensor
	Minimum Illumination	0.1Lux
	Lens	Standard 2.8mm/3.6mm/6.0mm fixed lens
	Parking Space Detection	Supports detection of 3 parking spaces (single-lens)/6 parking spaces (dual-lens)
	Status Indicator Light Colors	7 colors – red, yellow, blue, green, cyan, purple, white
Performance Specifications	License Plate Recognition Accuracy	≥99.6%
	Indicator Switching Accuracy	≥99.8%
	Supported Plate Types	Standard and special-format plates including single-line, double-line, reflective, non-reflective, commercial, diplomatic, military, and new energy vehicle plates; customizable plate pattern library for different countries and regions
	Unlicensed Vehicle Recognition	Supports Front and Rear License Plate Recognition
	Multiple Space Occupancy Detection	Supported
	Anti-Occlusion Algorithm	Supported
	Auto Configuration of Recognition Zone	Supported
	Video Resolution	2304*1296
	Image Resolution	1296P
	Video Compression Format	H.264
Electrical & Interface Specifications	Network Interface	Dual 10/100M adaptive Ethernet ports (RJ45), supports cascading (hand-in-hand)
	External Light Control Interface	Supported on 3-space model (optional); not available on 6-space model
	485 Interface	Supported
	iBeacon	Supported(optional)
	POE	Supported(optional)
	Bypass	Supported
	Power Supply	Standard DC12V, supports wide voltage input (DC8-26V)
	Power Consumption	≤3W without external light / ≤6W with external light
	Operating Temperature	-20℃~60℃
	Dimensions (mm)	Ø110*80mm
	Installation	Ceiling-mounted with cable tray support