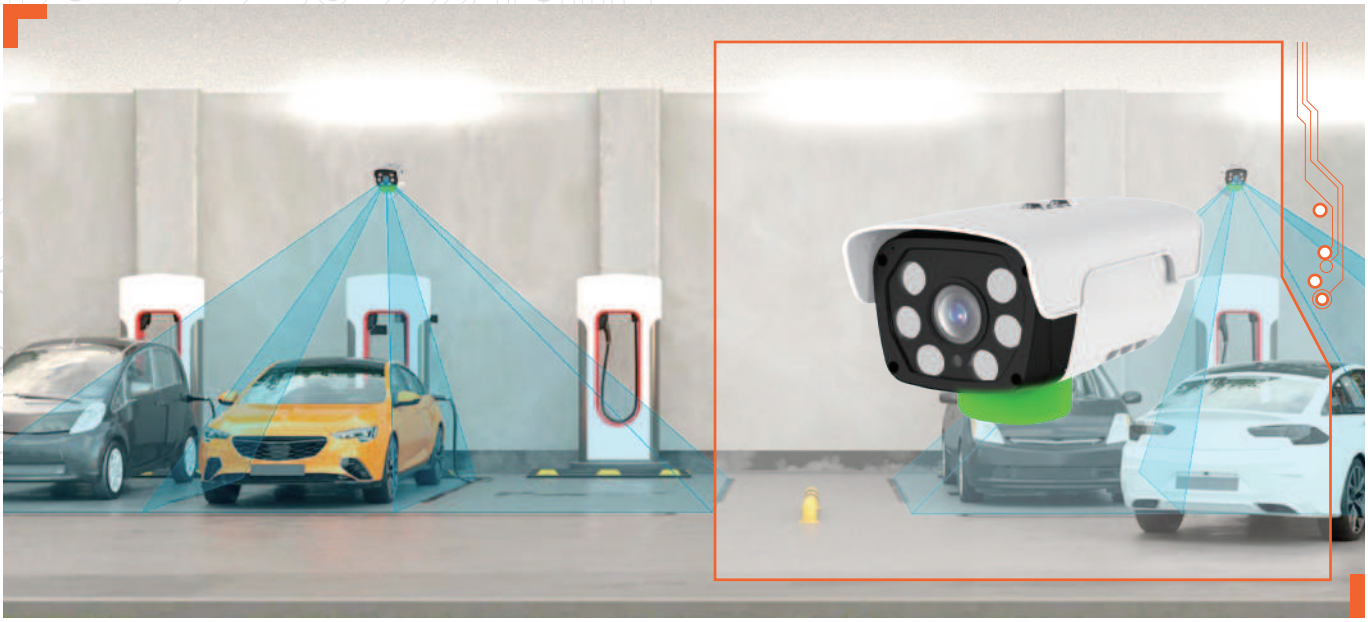
ALPR Camera for EV Charger

CCK10-V5003B-LF(BM)



Highlights

- 5MP image resolution with excellent low-light performance
- Single camera supports detection of three parking space statuses
- Rich hardware interfaces for integrated control of peripheral devices
- Equipped with ICE high-precision license plate recognition algorithm, optimized for wide angles, backlight, mixed-light plates, and harsh weather (e.g. rain, snow); industry-leading speed, recognition types, and accuracy
- Supports parking space status detection and output
- Supports built-in speaker and integrated parking space status indicator light
- Supports 4G wireless network (optional)
- Supports wireless Bluetooth lock control (optional)
- Supports P2P network penetration for simplified remote connectivity
- Supports wide-voltage power input
- Supports remote maintenance and debugging via camera
- Supports customized development and third-party system integration

Parameters

Hardware Specifications	Product Name	ALPR Camera for EV Charger
	Model	CCK10-V5003B-LF(BM)
	Processor	ARM-based Dedicated License
	Sensor Type	1/2.7" CMOS Image Sensor
	Minimum Illumination	0.01Lux
	Lens	Standard 2.8mm fixed lens
	Illuminator	high-power white LED lights
Performance Specifications	New Energy Vehicle Plate Recognition Accuracy	≥99.9%
	Combined Plate Recognition Accuracy	≥99.7%
	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
	Parking Space Detection	Supports monitoring of 3 parking spaces
	Parking Space Management	Reports license plate information corresponding to vehicle entry and exit status; capable of distinguishing hybrid and pure electric vehicles
	Abnormal Event Reporting	Detects and reports camera displacement and smart lock malfunction (e.g. failed lock raise)
	Trigger Mode	video(vehicle detection rate ≥99.5%)
	Snapshot Output	5MP JPEG
	Video Compression Format	H.264 , MJPEG
Electrical & Interface Specifications	Network Interface	Dual 10/100M adaptive Ethernet ports (RJ45), supports cascading (hand-in-hand) and bypass connection
	4G(-M)	Supports built-in 4G module (optional)
	Bluetooth(-B)	Supports built-in Bluetooth module (optional)
	Audio interface(-L)	Supports voice broadcast with built-in speaker
	Status Indicator Light (-F)	Built-in parking space status indicator light
	I/O Interface	2 inputs / 2 outputs
	Serial Interface	1 × RS485
	SD Card	Supports SD2.0 standard MicroSD (TF) card, up to 32GB
	Power Supply	DC8~26V
	Power Consumption	≤3W
	Operating	-25℃~+70℃
	Ingress Protection	IP65
	Dimensions (mm)	105.1(W)*106.1(H)*198.5(D)