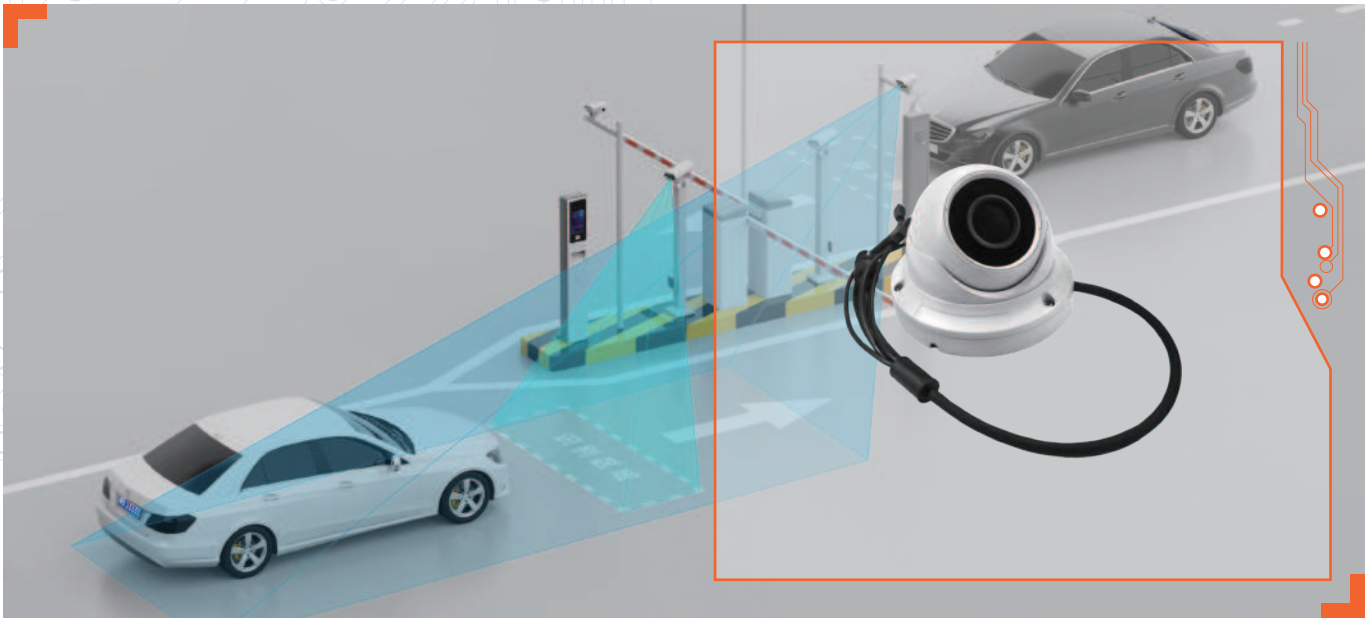
AI Powered ALPR Camera

ECD87-C5001C



Highlights

- Equipped with ICE V6.0 CNN deep learning algorithm, supporting wider-angle recognition with higher accuracy across all license plate scenarios to address core customer needs
- Supports vehicle U-turn detection, overstay alerts, and high-precision anti-counterfeiting—ideal for unattended parking environments
- 5MP image resolution with upgraded ISP; scene-adaptive mode ensures excellent performance in both back-light and low-light conditions with enhanced detail clarity
- Supports 40MB extended space for secondary development
- Supports vehicle type and brand recognition
- Recognizes various special plate types (e.g. electric, in-factory, on-site, airport), meeting diverse non-standard identification requirements
- Supports web-based cross-platform remote access, configuration, and public network video streaming

▪ Parameters

Hardware Specifications	Product Name	AI Powered ALPR Camera
	Model	ECD87-C5001C
	Processor	Dual-core ARM Cortex-A7, AI-capable
	Sensor Type	1/2.7" CMOS Image Sensor
	Minimum Illumination	0.1Lux
	Lens	Standard 6mm fixed lens
	Illuminator	None
Performance Specifications	License Plate Recognition Accuracy	≥99.9%
	Output Data	License plate number, plate color, vehicle color, vehicle brand, vehicle type
	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
	Trigger Mode	Loop,video(vehicle detection rate ≥99.9%),hybrid
	Smart Event Detection	Vehicle U-turn detection
		Vehicle overstay detection
		Electronic and printed license plate anti-counterfeiting detection
	Image Output	Image Output 1620P(2880*1620)、1440P(2560*1440)、1296P(2304*1296), 1080P(1920*1080), 960P(1280*960), 720P(1280*720), D1(704*576)
	Snapshot Output	1620P(2880*1620)、1440P（2560*1440）, 1296P(2304*1296), 1080P(1920*1080), 900P(1600*900), 720P(1280*720), 540P(960*540), D1(704*396)
	Video Compression Format	H.264 ,H.265, MJPEG
Electrical & Interface Specifications	Network Interface	10/100M adaptive Ethernet, RJ45 connector
	I/O Interface	2 inputs / 2 outputs, 3.5mm terminal block
	Serial Interface	1 × RS485
	Power Supply	DC12V
	Power Consumption	≤2.5W
	Operating Temperature	-25℃~+70℃
	Ingress Protection	IP65
	Dimensions (mm)	Ø135 × 99 (Diameter × Height)
	Weight	0.6kg