

License Plate Recognition System



Model: P829

Product name: License plate recognition all-in-one machine

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1. Product Overview

The P829 (LCD) HD license plate recognition all-in-one machine is a key device that enables parking lots to achieve "unattended operation" and "diversified revenue streams." It integrates four modules—recognition, interaction, guidance, and advertising—redefining both the experience and efficiency at parking lot entrances.

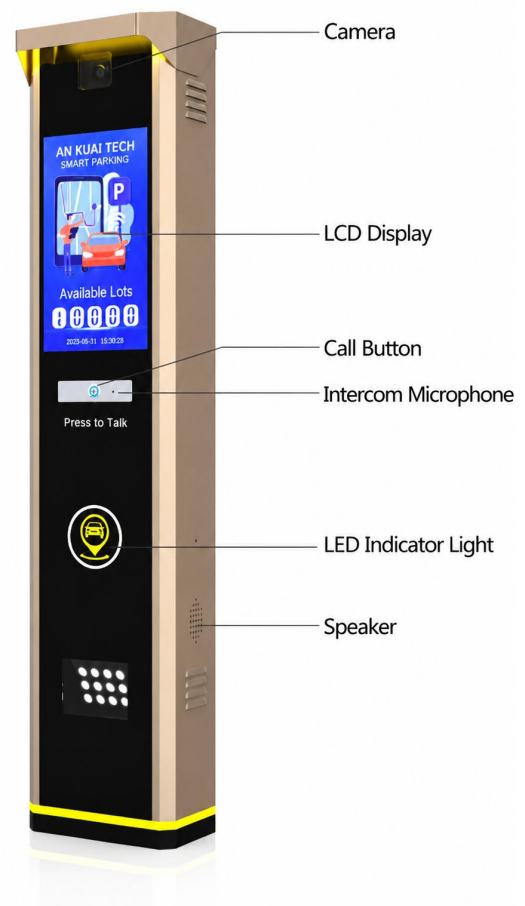
Integrated Design: Equipped with a built-in HD recognition camera, LCD display, voice module, fill light, and dynamic QR code—all-in-one multi-functional, simplifying on-site deployment.

Unified Design: Adopting a modular appearance to ensure consistency with the style of other equipment in the parking lot, thereby creating a professional and modern visual environment.

Diversified Management: Supports multiple management modes including local, cloud-based, and mobile to meet operational needs in various scenarios, empowering parking facilities to comprehensively reduce costs, enhance efficiency, and increase revenue.

2. Product illustration

2.1 Structural Layout



2.2 Product Picture



3. Product Features



- The series-designed appearance features an approachable styling, with series-based combination ensuring a more harmonious and unified style.
- Equipped with the new ICE V6.0 CNN deep learning algorithm, it supports recognition at larger angles. With higher license plate recognition rates, it adapts to full-scenario license plate recognition, effectively solving the core point for customers.
- 5MP resolution, new ISP version, supports scene-adaptive mode, effortlessly handles various backlit and frontlit scenes; enhanced low-light performance with sharper details.
- Support for mobile phone Bluetooth applet debugging, no computer or network cable required (requires a Bluetooth module).
- 18.5-inch outdoor high-brightness LCD display, making the payment page more intuitive to view.

- The display can automatically adjust its brightness based on data exchange, making it energy-efficient and durable.
- Support license-plateless vehicles to scan the lane QR code for entry and exit, with self-service QR code scanning payment upon exit.
- Custom loading of image and video ads.
- Supports recognition of various special license plates (such as electric vehicle, factory internal, premises internal, airport, agricultural), meeting more non-standard recognition needs.
- Supports one-touch remote intercom calling to handle abnormal events (Optional)
- User-friendly voice playback, allowing different volume levels to be set for different time periods.
- Integrated structure, facilitating transportation and on-site construction;
- Just connect a network cable and a power cord, plug it in, and it's ready to use. Installation and setup are simple.

4. Specifications

Basic parameters	
Working voltage	AC220V±10%
Working temperature	-20℃至+60℃
Relative humidity	≤95%, No condensation (at room temperature)
Rated power	≤100W
Memory	1G RAM, 4G ROM
Communication method	TCP/IP、RS485
Display	18.5-inch HD outdoor LCD display
Resolution	1366*768
IP level	IP54

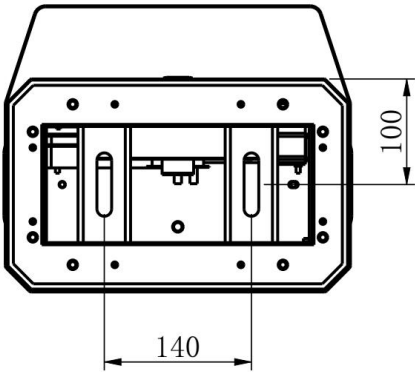
Product Specification

Material technology	Cold rolled steel, sheet metal spraying
Dimensions	328*271*1536mm (L*W*H)
Camera parameters	
Power supply	12V/8.4A
Recognition rate	≥99% All-weather typical license plate
Vehicle speed	0-40km/h
Recognition angle	≤45°
Optimal Recognition Distance	3-6m
Trigger mode	Loop coil or video stream
Supported license types	Blue License Plates, Yellow License Plates, Double-Layer Yellow License Plates, Police License Plates, New Armed Police License Plates, New Military License Plates, New Embassy License Plates, Civil Aviation License Plates, Training Vehicles, New Energy Vehicles, Hong Kong and Macau License Plates, Emergency Vehicles License Plates
License plate recognition features	License plate number, color, type, width
Output information	Vehicle feature image, license plate image, license plate number, color, type, passing time
License plate anti-counterfeiting	Support
Memory	Support SD2.0 standard MicroSD (TF) card, up to 32G
Fill light parameters	
Number of LED chips	12 pieces
Maximum power	≤10W
Fill light control	Light-sensitive control
Fill light distance	The light at 5m is greater than 50LUX
Adjust angle	Support

5. Dimensions



Mounting holes:



6. Product packaging

Default packaging: 1 unit/carton

6.1. Weight: Gross Weight Approx. **KG

6.2. Dimension: 1555*380*255mm

7. Revision History

Serial number	Revision content	Revised by	Date
1	New version released		