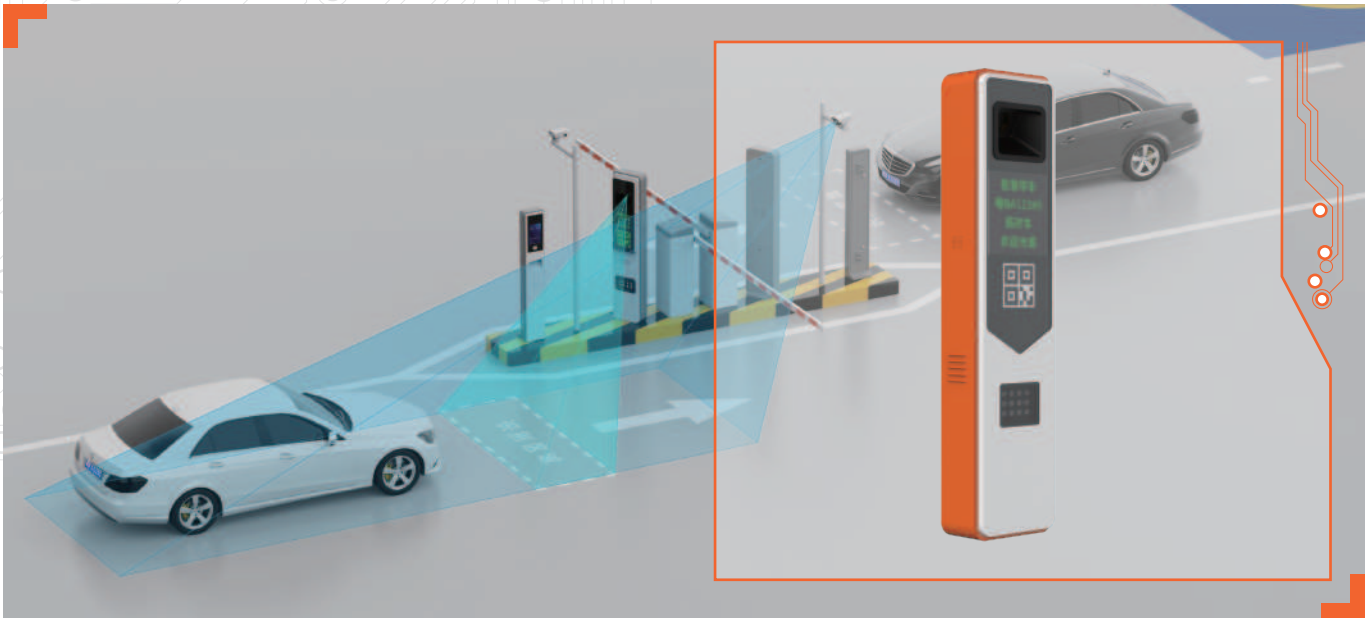
# D3 All-in-One LPR Controller with LED Display

*DCL87-C5001C*



## Highlights

- Lightweight Unattended Solution
- Equipped with ICE V6.0 CNN deep learning algorithm for wider-angle plate recognition
- Higher recognition accuracy for all types of license plates across diverse parking scenarios
- Supports vehicle U-turn detection, overstay alerts, and advanced anti-spoofing—purpose-built for unattended operations
- 5MP image resolution with upgraded ISP; scene-adaptive mode handles both backlight and low-light conditions with clear detail
- Supports offline e-payment functionality
- QR code sticker area reserved with backlight support for night-time scanning
- Built-in motorized PT for remote angle adjustment
- Standard support for license plates from Guangdong, Hong Kong, and Macau
- Cloud-based management with web-based remote access and configuration
- Smart night-time illumination with 12-level adjustable brightness

# ▪ Parameters

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|---|---|---|---|
| Hardware Specifications | Product Name | D3 All-in-One LPR Controller with LED Display | |
| | Model | DCL87-C5001C | |
| | Processor | Dual-core ARM Cortex-A7, AI-capable | |
| | Sensor Type | 1/2.7" CMOS Image Sensor | |
| | Lens | 6mm Fixed Lens | |
| | Motorized PT | Tilt Adjustment Range | ±15° |
| | | Pan Adjustment Range | ±30° |
| | LED Display | Dimensions | 256*256mm |
| | | Display | 4-line outdoor high-brightness screen; supports display of advertisements, greetings, license plate info, payment amount, time, QR codes, and more |
| | Voice Broadcast | Standard intelligent voice prompt | |
| 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 | 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 | 4 inputs / 3 outputs, 3.5mm terminal block | |
| | Serial Interface | 2 × RS485 | |
| | Power Supply | AC220V | |
| | Power Consumption | 30W | |
| | Operating Temperature | -25℃~+70℃ | |
| | Ingress Protection | IP54 | |
| | Dimensions (mm) | 1450（H）*340（W）*180mm（D） | |