

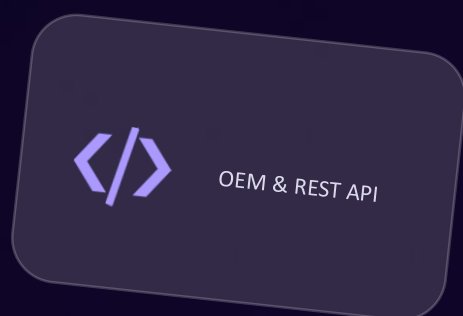
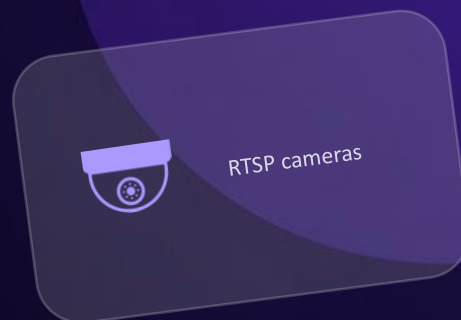


LOCAL ALPR / ANPR SOFTWARE

Local, offline license plate recognition API.

For Windows, Linux and Raspberry Pi - designed for parking systems, access control, RTSP cameras, multi-lane installations and OEM integration.

car-reader-dle.com / [Online Demo](#) / [Contact](#)



ON-PREMISES

PRIVACY-CONTROLLED

HIGH-ACCURACY



OVERVIEW

Built for real-world integration.

CAR-READER®-DLE is a commercial, locally operated Automatic License Plate Recognition solution for integrating plate detection and recognition into existing applications, camera systems and embedded products.

Local processing

Images and camera streams are processed on the customer's own hardware. No cloud or internet connection is required for recognition.

REST API

Structured HTTP integration

TYPICAL APPLICATIONS

- Parking and car park management
- Gates and barrier systems
- Access control
- Entrances and exits
- Logistics and yard management
- Vehicle registration workflows
- Visitor and fleet management
- Security and camera systems
- Industrial automation
- Software vendors and OEM products

The Runtime can be integrated from virtually any programming language capable of sending HTTP requests.

INTEGRATION ENVIRONMENTS

Python

C#

JavaScript

TypeScript

Java

C / C++

Visual Basic

PowerShell

Low-code



WHAT MAKES IT DIFFERENT?

Recognition beyond a character string.

A useful result must reconstruct the human-readable and country-specific structure of a plate - not merely return continuous OCR text.

RAW OCR

MAB1234



STRUCTURED RESULT

M-AB1234

Regional prefix and separator reconstruction

CAR-READER®-DLE combines character recognition with structural analysis, regional prefix logic, separator reconstruction, multi-line processing and configurable country profiles.

The reconstruction is not limited to one fixed separator position. Different prefix lengths and international layouts can be considered.

RECONSTRUCTED STRUCTURES

- City or municipality prefixes
- County and regional prefixes
- National prefix structures
- International plate blocks
- Country-specific separator positions
- Multi-line plate structures
- Variable-length regional identifiers
- Gap-reconstruction

Structured output is easier to display, validate, search and compare with customer databases.



CORE FEATURES 01

From image upload to structured results.



Offline and on-premises

Local control over images and recognition results, operation in isolated networks and no mandatory per-image cloud transmission.



REST API

Single-image recognition, batch processing, multi-plate output, camera management, diagnostics and integration checks.



Single-image recognition

Upload an image and receive recognized text, formatted plate text, confidence, profile, line structure and separator positions.



Multiple plates in one image

Suitable for parking areas, overview cameras, access zones, vehicle queues and logistics scenes.

Privacy-sensitive deployment: recognition can run entirely on customer-controlled infrastructure.



CORE FEATURES 02

RTSP, ROI, triggers and multiple lanes.



RTSP camera integration

Live preview, camera registration, camera-specific IDs, status, reconnect handling and event-driven frame analysis.



Triggered recognition

Full recognition does not need to run on every video frame. It can be triggered by movement, a vehicle entering the ROI, preliminary plate detection, an external application, loop detector, sensor, gate event or manual API request.



ROI: Region of Interest

Restrict processing to a lane, gate area, barrier zone, vehicle approach area or parking entrance and exit.



Multi-camera and multi-lane processing

Multiple cameras can share one Runtime instance. Stable IDs such as lane-01, entrance-north or exit-south keep camera and lane states separate.

Receive stream



Observe ROI



Trigger event



Select frame



Recognize



ADAPTABLE RECOGNITION

Profiles, multi-line plates and annotations.

RECOGNITION PROFILES

Auto

Automatic profile selection

International

Latin-character plates

DE / AT / CH

Country-oriented formatting

NL

Dutch multi-separator formats

Two-line

Stacked and special plates

Multi-line license plates

Responses may include detected layout, line count, individual line texts and a reconstructed combined representation.

Annotation output

Optional annotated images contain plate frames, recognized characters, confidence, individual character boxes and numbered markers for multi-plate results.

Batch processing

Process a local directory for quality checks, archive processing, migration projects, test datasets and customer specific acceptance testing.

Parallel processing

The Runtime manages concurrency, resources and load protection internally for stable operation on desktop, server and edge systems.



SUPPORTED PLATFORMS

Designed for local deployment.

Windows x64

Linux x64

Linux ARM64

Availability and performance depend on the licensed package and target hardware.

Camera, or image
application

CAR-READER®-DLE
Runtime

Structured
REST
API

Parking, ERP or
access, OEM app

CAR-READER® -DLE supplies

- Recognition result
- Formatted plate structure
- Confidence and metadata
- Camera and lane context
- Optional annotation output

Customer application handles

- Opening a barrier
- Checking an allowlist / whitelist
- Assigning a parking session
- Recording entry and exit times
- Visitor association
- Fees, alerts and reports



LOCAL. STRUCTURED. INTEGRATION-READY.

License plate recognition for products, parking and access systems.

Evaluate CAR-READER®-DLE with your target hardware, camera positions and representative plate images.

PRODUCT WEBSITE

car-reader-dle.com

ONLINE DEMO

car-reader-dle.com/demo

CONTACT

info@car-reader-dle.com