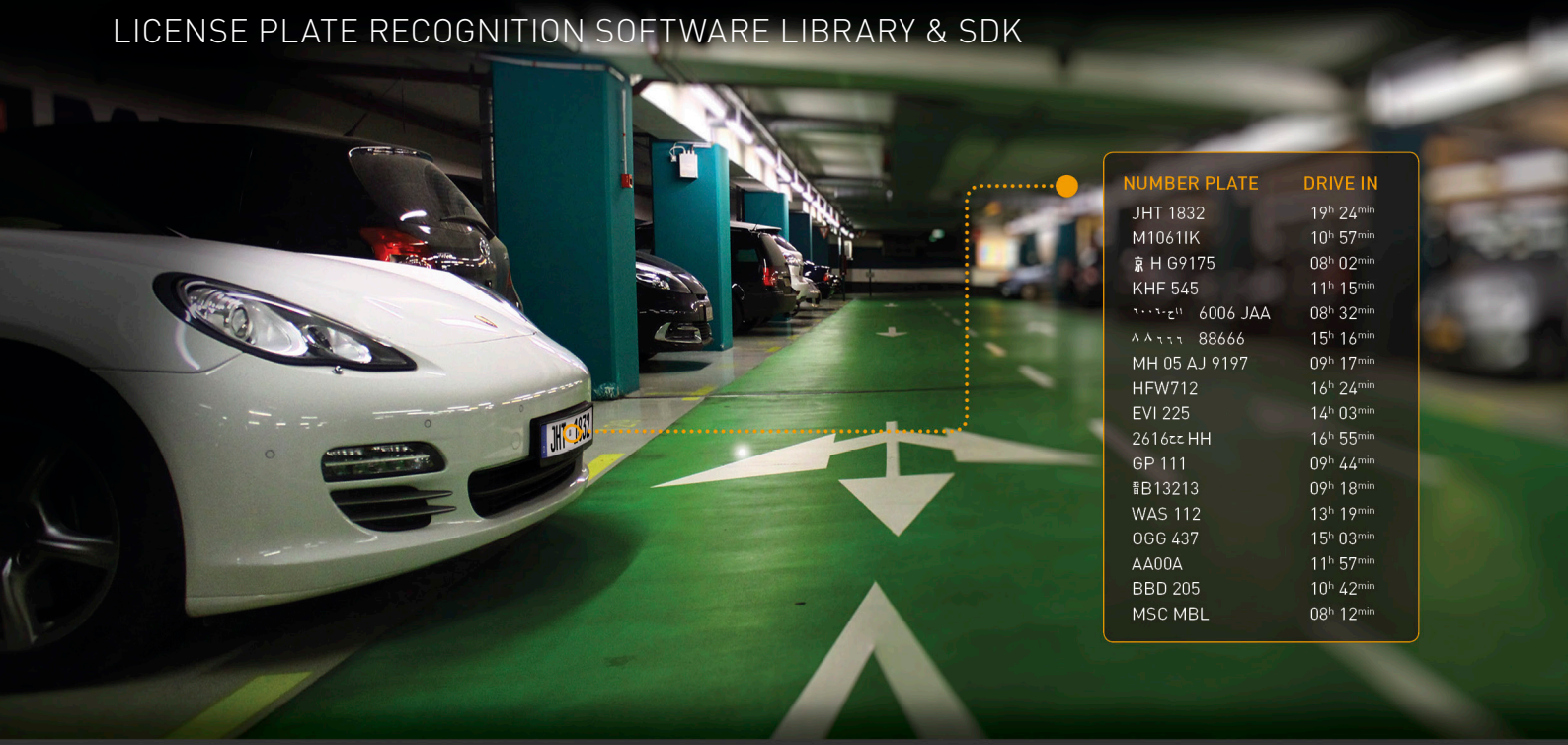
CARMEN® Parking Digital Software

LICENSE PLATE RECOGNITION SOFTWARE LIBRARY & SDK



THE ULTIMATE RECOGNITION ENGINE FOR ACCESS CONTROL AND PARKING APPLICATIONS

The CARMEN® Parking Digital is a cost-effective version of the CARMEN® Recognition Software family. CARMEN® Parking Digital is engineered to automatically read and decipher the License Plate numbers of stopped or extremely slow traveling vehicles. License plates are the most accepted and natural means of identification of motor vehicles globally.
The ability to automatically recognize license plates with fast and exact accuracy provides digital (IP based) parking and access control systems with effortless security monitoring, parking management, fast data entry and record keeping, and much more.
CARMEN® Parking Digital reads the license plates from digital image sources with unparalleled accuracy and speed. It yields country independent recognition as well as recognition of license plates written, not only in the Latin character alphabets, but also in Arabic, Cyrillic, Chinese, Korean, Thai and many more.

KEY FEATURES

- Automatic reading of any image input source or IP camera images of license plates of vehicles in slowed or stopped traffic
- Fast, easy and straightforward use
- Hardware independence: compatible with any image source (analogue / digital / still images / MJPEG video streams)
- Country, state or province and plate type recognition

MAIN BENEFITS

- Saving time and energy in data entry, automating license plate reading
- Decreasing data entry errors with high accuracy and recognition rates
- Eliminating the need for access control system users to have access cards or codes; centralizing registration
- Increasing security and safety of access control areas

Special ANPR/LPR cameras are available for higher quality images and recognitions rates.

CARMEN®

VEHICLE ACCESS CONTROL SYSTEMS
CORPORATE PARKING FACILITIES
PARKING MANAGEMENT
HOTELS OR RESIDENTIAL AREAS
AIRPORT AND HARBOUR LOGISTICS
BORDER CONTROL

SPECIFICATIONS

CARMEN® Parking Digital Software

GENERAL INFORMATION

Purpose	Automatic recognition of vehicle license plates – a license plate recognition software for parking, access control and similar „low speed" applications, where cars are slowed down or stopped by barriers
Supported operating systems	Windows (32/64 bit) Linux (32/64 bit)
Supported Platforms	x86_32 | x86_64
System requirements	1 GHz CPU | 512 MB RAM | 1 GB HDD | free port/slot for NNC
Licensing	One license per application thread, multiple license/controller is available
Available Neural Controllers	PCI 2.1 video capture card (FXVD4) PCI 2.1 card (FXMC) PCIe card (x1) USB 2.0 (internal is also available) Express card 34 (54 compatible) PC 104+ card

INTERFACE

Input	Still image from file or memory in any image format (BMP | PNG | JPEG | JPEG2K | RAW) Live analog video input (PAL or NTSC) Live digital camera input
Output	OCR data License plate number in ASCII/UNICODE text Position of the plate Confidence level in percentage ID of the best image Color of plate (optional) Country ID (optional) Location of each plate on one image One vehicle can be identified in every 3 seconds per camera
Trigger	Can be integrated with any trigger device (mandatory to start the recognition) Software motion detection module is included

DEVELOPMENT TOOLS FOR EASY INTEGRATION

Supported programming languages under Windows	C/C++, C# Delphi Visual Basic .NET Java
Supported programming languages under Linux	C/C++, Java
In The Box	Development libraries: .dll, .so files ActiveX components/OCX files Sample codes for each programming language Neural network controller Comprehensive digital documentation on CD

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