

CARMEN® Parking Software

NUMBER PLATE RECOGNITION SOFTWARE LIBRARY & SDK



NUMBER PLATE	DRIVE IN
LNX - 058	18 ^h 47 ^{min}
WTS - 402	08 ^h 23 ^{min}
GRW - 051	11 ^h 11 ^{min}
XFR - 453	14 ^h 27 ^{min}
LWE - 245	05 ^h 07 ^{min}
CNR - 983	09 ^h 37 ^{min}
BBD - 541	08 ^h 54 ^{min}
KCG - 954	10 ^h 29 ^{min}
DDZ - 129	15 ^h 18 ^{min}
NMH - 483	13 ^h 46 ^{min}

THE ULTIMATE RECOGNITION ENGINE FOR ACCESS CONTROL AND PARKING APPLICATIONS

The CARMEN® Parking is an economical version of the CARMEN® Recognition Software family. CARMEN® Parking is especially created to automatically extract and recognize number plate numbers of vehicles that are stopped or slowed at a barrier. Number plates are the most accepted and naturally identifiable means of motor vehicles in the world today.

By automatically reading number plates, CCTV-based applications, parking and access control systems gain precision and speed in data entry, logging, record keeping, security and parking management, and much more.

CARMEN® Parking reads the number plates from analog imaging sources with the fastest and most accurate recognition rates possible. It provides country-independent recognition as well as recognition of number plates written not only in Latin characters but also in Arabic, Cyrillic, Chinese, Korean, Thai and many more.

KEY FEATURES

- Automatic recognition of analog input images of number plates from vehicles in slowed or stopped traffic
- Fast, easy and straightforward use
- Country, state or province and plate type recognition
- Country-independent recognition including Latin, Arabic, Chinese, Korean, Thai characters and many more.

MAIN BENEFITS

- Saving time and energy in data entry, automating number 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 HARBOR LOGISTICS



BORDER CONTROL



FUEL STATIONS

SPECIFICATIONS

GENERAL INFORMATION

Purpose	Automatic recognition of vehicle number plates – a number 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)
Supported Platforms	x86_32 x86_64
System requirements	1 GHz CPU 512 MB RAM 1 GB HDD free slot for NNC
Licensing	One license per camera (lane), multiple license /controller is available
Available Neural Controllers	PCI 2.1 video capture card (FXVD4) (EOL*)

*end of life

INTERFACE

Input	Live video input from any analog camera connected to the FXVD4 frame grabber card
Output	OCR data Number plate number in ASCII/UNICODE text Position of the plate Confidence level in percentage Confidence level for each character List of further suggestions for each character 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# Visual Basic .NET Java
In The Box	Development libraries: .dll files Demo application, sample codes for each programming language Neural network controller Comprehensive digital documentation



..... Technical specifications are subject to change without prior notice. This document does not constitute an offer.

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