ADAPTIVE RECOGNITION

INDUSTRIAL CODE RECOGNITION

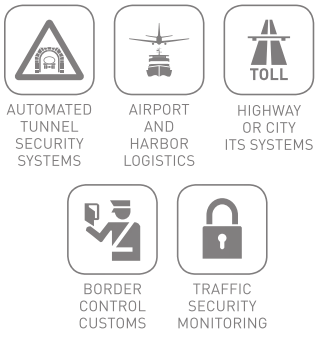
CARMEN® OCR - DOT
SOFTWARE

DOT code recognition made easy in any traffic system

Enhance your toll control or traffic security system by automatically recognizing the DOT number of trucks. This way, identifying such vehicles becomes an easy job – as Carmen® OCR - DOT, the professional recognition engine performs the OCR within a blink of an eye.

With its ability to collect and audit inspection and compliance information, the software offers the DOT number, date, time and location for CMV systems to verify key information in state and federal databases – in real time with the most accurate recognition rates available in today's market.

You can easily add such feature to your traffic system, as Carmen® OCR - DOT comes with user-friendly APIs supporting all the commonly used programming languages.



Main benefits

- Automated USDOT number reading saves time and resources
- Fast emergency response, audits and compliance reviews
- Increasing road safety by providing real-time data
- High accuracy and recognition rates
- Smooth and maintenance-free 24/7 operation

Adaptive Recognition **America**
Adaptive Recognition **Hungary**
Adaptive Recognition **Nordic**
Adaptive Recognition **Singapore**

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CARMEN® OCR-DOT Software

Specifications

• straightforward use • hardware independent • multi format image input • motion detection • scalable • high accuracy

Special ACCR cameras are available for recognitions rates.

General information

Purpose	Automatic recognition of US DOT codes of commercial motor vehicles - a USDOT number recognition software for various traffic and security systems to automatically identify and verify commercial vehicles
Supported Operating Systems	Windows (32/64 bit) Linux (32/64 bit)
Supported Platforms	x86_32 | x86_64 | ARMv7 | Cortex A8 and above | PPC
Minimum 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 One year from purchase included, optional subscription available on yearly basis
Available Neural Controllers	USB 2.0 dongle - type A USB internal 4-pin PCIe card (X1) Mini-PCIe card

Interface

Input	Still image from file or memory in various image formats (BMP | PNG | JPEG | JPEG2K | RAW) Live analog video input (PAL or NTSC) Live digital camera input
Output	DOT data USDOT number in ASCII text Position of the USDOT number Confidence level in percentage Confidence level for each character List of further suggestions for each character Individual result for each image
Trigger	Can be integrated with any trigger device (recommended when recognizing from live video stream) Software motion detection module is included

Development tools for easy integration

Supported programming languages under Windows	C/C++, C# Visual Basic .NET Java
Supported programming languages under Linux	C/C++, Java
In The Box	Development libraries: .dll, .so 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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