

CARMEN® OCR

for Railway Code Recognition

General information

Purpose	Automatic recognition of the railway vehicle ID numbers – a wagon/coach number recognition software for various intelligent railroad management systems
Supported Operating Systems	Windows (64 bit) Linux (32/64 bit)
Supported Platforms	x86_64 ARM32 ARM64
Minimum System Requirements	2 GHz CPU 1 GB RAM 1 GB HDD free slot for NNC
Licensing	One year from purchase included, optional subscription available on yearly basis



Interface

Input	Still image from file or memory in various image formats (BMP PNG JPEG RAW)
Output	Railway Codes data Railway Codes number in ASCII text Position of the Railway code Confidence level in percentage Confidence level for each character ID of the best image
Trigger	Can be integrated with any trigger device (recommended when recognizing from live video stream)



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

Special cameras are available for recognitions rates.

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



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