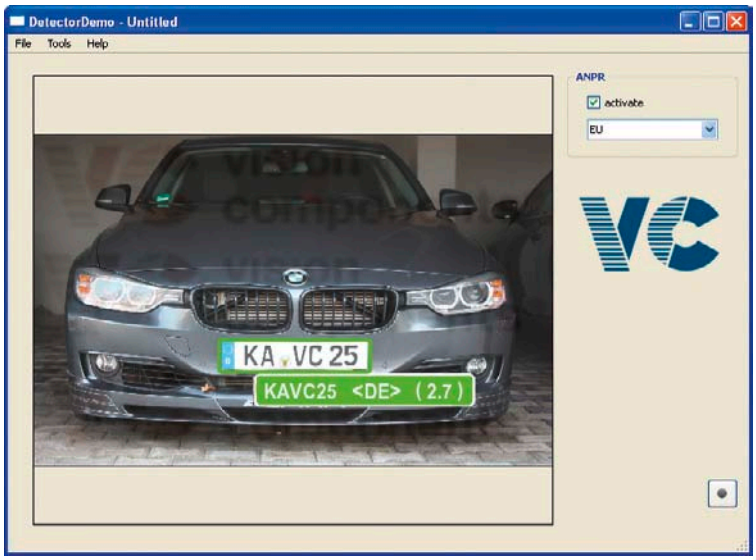
Carrida – your ALPR/ANPR Software Engine

Carrida ALPR/ANPR Solutions

*The **Carrida software engine** from Vision Components is a powerful OEM library easy to integrate into all monitoring and surveillance solutions. This software tool provides for a high-speed recognition together with an enormous reliability. It is resistant against lighting changes and well suited for both fix and mobile systems. For a wide range of applications, the VC ALPR software engine tool can be integrated in C/C++, .NET, Borland Delphi, Python and C# projects via API. Quick and easy to setup, it can also be trained to read codes on boxes, containers or similar, even with special fonts or symbolic codes. For the result's data transfer standard network protocols are available. The recognition accuracy of more than 96% includes identifying damaged plates and angle correction.*



Typical Applications

Access Control:
Access to restricted areas automatically granted, e.g. for parking areas, closed or partly close roads like pedestrian zones or private grounds.

Law Enforcement:
Toll control; speed control; support of police search e.g. with onboard cameras.

Urban Planning and Traffic:
Traffic analysis and statistics, public security.

Management of Transport Fleets and others:
Vehicle maintenance and control, linking parameters like weight etc. to plates.

About Vision Components

Established 1996, Vision Components GmbH is a leading supplier for compact vision and intelligent imaging solutions. We develop and distribute intelligent, network-compatible, real-time stand-alone vision systems, and several software engines.

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Carrida Software Features

- Quick and easy configuration.
- Typical reading accuracy: > 96 % (including damaged vehicle plates, angle correction etc.).
- Processing time: 30 ms (platform dependent).
- Typical country/state recognition (always included): > 90 %.
- Recognition of 2-line vehicle plates.
- Reading all common still image and movie formats from memory or file.
- All plates (no limitation) displayed in one image are read.
- LPR works in all countries across the world.
- Special neural technology constantly refined.
- Confidence value available for each vehicle plate.
- Confidence value available for each character.
- Completely hardware independent.
- Integration with IP, USB and GigE cameras, as well as frame grabbers for analogue cameras.
- Sophisticated angle correction in two planes.
- Minimum char height: 12 pixel.
- Static, parking and free-flow engines.
- Live streaming of images.
- Encrypted data and image transmission.
- Crypto dongles used for protection.
- License required per workstation/PC unit.

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Minimum System Requirements

CPU:
Atom 1.6 GHz or higher, ARM starting from Cortex A8

Memory:
1 GB RAM; 8 GB Flash (Windows)
512 MB RAM; 4 GB Flash (Linux)

Operating System:
Windows XP, Vista, Windows 7, Windows 8, Linux, both 32 bit and 64 bit

Programming languages

C/C++, .NET, Borland Delphi, C#, Python

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