



CORTROL CVA LP Recognition

Specification v1.0.0

Product Description

Cutting-edge LPR analytics, powered by the CORTROL CVA module improves security systems, creates safe and smart cities while providing high recognition accuracy, using neural networks in a traffic flow at speeds up to 185 mph or up to 300 km/h. Ganz CORTROL CVA LPR can utilize mobile and fixed LPR solutions that are designed to work stand-alone, or to be integrated with any third-party hardware and software. Ganz CORTROL CVA LPR software with its newest technology will be able to identify license plate characters even in a low-quality real-world traffic video stream.

CVA License Plate Recognition Features

- 99.6% recognition rate (including low quality, dirty, blurred, and damaged plates) up to 185mph or up to 300km/h - (subject to the instructions for camera installation)
- 100+ countries license plate support
- Make, model, color, direction of vehicle, country/state, speed recognition
- ADR (Accord Dangereuses Route) Recognition
- Up to 6 lanes support
- Unlimited lists (black, white, VIP, etc) quantity with different rules
- Not limited number of license plates that can be recognized in one frame
- Works on plates with 2 or 3-rows, ordinary, inverse, and special types of license plates
- License plate for recognition:
 - Europe - minimum: 48x12 px (WxH), recommended: 100
 - America - minimum: 50x25 px (WxH), recommended: 100
 - Arabs - minimum: 70x25 px (WxH), recommended: 100

General Information

- Supported Operating Systems: Windows
- Supported Platform: x86 & 64
- Supported Hardware Acceleration: Intel OpenVINO / NVIDIA TensorRT
- Supported Database: MySQL / PostgreSQL / MS SQL / Oracle

Interface

- Camera stream protocol: RTSP / HTTP / HTTPS / ONVIF
- Recorded video formats: MKV / MP4 / ASF / AVI / MJPEG
- Supported codecs: MPEG-4 / MJPEG / H.264 / H.265
- Recommended Frame Rate: 10+ fps for 100 km/h
- Output formats: JSON / XML / CSV
- Output data: Number plate OCR result / Number plate type / Make & Model / Vehicle color / ADR / Vehicle category / Country / State / Timestamp

Main Functionality

- Centralized Management
- Finding and navigating the vehicle route
- Real-time alarms
- Integration with Microsoft Power BI, Google Data Studio, and others
- Unlimited lists support
- Notification settings: internal alarm, by Email / SMS / HTTP / Telegram
- REST API
- Database import CSV and export support EXCEL / PDF / JSON
- Integrated business logic builder
- Support for various interface languages





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Security Features

- Active Directory / LDAP
- Groups and roles support
- Encryption of all packages