



PRODUCT DESCRIPTION

CORTROL CVA LPR analytics improves security systems and creates safe, smart Cutting-edge cities with high recognition accuracy, using neural networks to analyze traffic flow at speeds up to 300 km/h (185 mph). It utilizes mobile and fixed LPR solutions designed to work standalone or be integrated with third-party hardware and software. LPR software with its newest technology will be able to identify the 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 300 km/h (185 mph)*

100+ countries license plate support.

Up to 6 lanes support.

Works on plates with 2 or 3-rows, ordinary, inverse, and special types of license plates.

Make, model, color, direction of vehicle, country/state, speed recognition.

Unlimited lists (black, white, VIP, etc) quantity with different rules.

License plate for recognition:

Europe/CIS - minimum: 48x12 px (WxH), recommended: 100x25 px (WxH)

USA / Canada / Mexico - minimum: 50x25 px (WxH), recommended: 100x50 px (WxH)

Middle East - minimum: 70x25 px (WxH), recommended: 100x35 px (WxH)

ADR (Accord Dangereuses Route) Recognition.

Not limited number of license plates that can be recognized in one frame.

Statistics dashboard enables viewing events per hours

**subject to the instructions for camera installation*

GENERAL INFORMATION

SUPPORTED OPERATING SYSTEMS	LINUX UBUNTU 20.04 / FROM WINDOWS 10 / FROM WINDOWS SERVER 2019
SUPPORTED PLATFORM	X64
SUPPORTED HARDWARE ACCELERATION	INTEL OPENVINO / NVIDIA TENSORRT
SUPPORTED DATABASE	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
OUTPUT FORMATS	JSON / XML / CSV / PDF
OUTPUT DATA	NUMBER PLATE OCR RESULT NUMBER PLATE TYPE MAKE & MODEL VEHICLE COLOR ADR VEHICLE CATEGORY COUNTRY / STATE TIMESTAMP LIST NAME

MAIN FUNCTIONALITY

CENTRALIZED MANAGEMENT	✓
REAL-TIME ALARMS	✓
INTEGRATION WITH MICROSOFT POWER BI, GOOGLE DATA STUDIO, AND OTHERS	✓
NOTIFICATION SETTINGS: INTERNAL ALARM, BY TELEGRAM OR OTHER EXTERNAL SYSTEMS	✓
REST API	✓
INTEGRATED BUSINESS LOGIC BUILDER	✓
SUPPORT FOR VARIOUS INTERFACE LANGUAGES	✓

VMS INTEGRATION

EVENT BASED INTEGRATION	CORTROL CVA, MILESTONE XPROTECT, NX META, AND OTHER
PLUGINS INTEGRATION	CORTROL CVA, MILESTONE XPROTECT, NX META

SECURITY FEATURES

ACTIVE DIRECTORY / LDAP	✓
GROUPS AND ROLES SUPPORT	✓
ENCRYPTION OF ALL PACKAGES	✓

PLANS OVERVIEW

Plan	Speed	LPR	MMC	Speed detection
ZNS-CVA-LPR-D-1	up to 30 km/h	Yes	No	No
ZNS-CVA-LPR-C-1	up to 250 km/h	Yes	Yes	No

PLAN FEATURES

Supports license plate recognition only and opening necessary barriers at the entrance/exit to the parking lot. Speed up to 30 km/h.

LPR: Supports license plate recognition, vehicle make and model, color, direction of movement, as well as working with lists and alert rules.

