

# VEZHA Smart Parking

## Product Specification



### Product Description

An edge-based video analytics service for streamlined parking operations. This software includes effective recognition of license plates, territory zoning, parking management, monitoring compliance with parking rules, smart search, as well as a customizable notification system.

### VEZHA Smart Parking Features

- Up to 99.9% license plate recognition accuracy, regardless of weather conditions and the state of license plate (dirty, blurred, out of focus, dark or light)
- An instant recognition of license plate upon the vehicles entrance to the parking area, with identification of the make, model, color of the vehicle, and country (state)
- Unlimited number of tag-based notification rules
- Simple integration without any special settings:
  - Know which spots are occupied or vacant at any time
  - Count vehicles entering and exiting the parking lot
  - Ensure the loading zones are not blocked
  - Detect vehicles occupying visitor spots for a long duration
  - Watch speeding vehicles in driveways
  - Search for vehicles of a specific color and much more



## General information

Supported Operating Systems	Linux / Windows
Supported Platform	x86_64 / Jetson
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 data	Number plate OCR result Number plate type Make & Model Vehicle color ADR Vehicle category Country / State Timestamp
Output formats	JSON / XML / CSV

## 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 / CSV / JSON)	+
Integrated business logic builder	+
Support for various interface languages	+

## VMS Integration

Event based integration	Luxriot Evo, Milestone XProtect, Nx Meta, Genetec, Pelco and other
Plugins integration	Luxriot Evo, Milestone XProtect, Nx Meta, Pelco

## Security Features

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

