



NEXT-LEVEL VIDEO ANALYTICS

Digital transformation of your business.



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IncoreSoft LLC



VEZHA

LICENSE PLATE RECOGNITION

VEZHA LPR

VEZHA LPR – an innovative plugin for automatic license plate recognition



Automatic Recognition

The plugin provides **99%** accuracy in recognizing license plates, even on blurry or damaged images, and can identify the manufacturer, model, and color of the vehicle.



Quick Response

Capture and recognition of license plates within **8-30 ms**, even at high speeds (**up to 300 km/h**).



Global support

Recognition of license plates from over 100 countries, including the USA, Europe, Latin America, Asia, and the Middle East. It also includes the ADR standard for detecting vehicles transporting hazardous goods.



Trajectory and Direction Analysis

Tracking the movement of vehicles and analyzing their trajectory for increased accuracy and safety.

VEZHA LPR | SPEED CONTROL ON THE ROADS

Analyzing the speed of vehicles through the use of road cameras allows the VEZHA system to not only provide effective traffic control but also enhance road safety.



Vehicle Fixation

The system analyzes the movement of a vehicle using sequentially positioned cameras. It measures the speed and records data for further analysis.



Calculation of Speed Statistics

Accurate speed calculations are performed on a specified road segment, taking into account various factors such as weather conditions and traffic density.



Comprehensive Speed Report

Generates a comprehensive speed report for a selected period, including checkpoints on the timeline for a deeper understanding of traffic dynamics.

VEZHA TRAFFIC ENFORCEMENT

CONTROL OF RED LIGHT VIOLATIONS

Safe roads thanks to instant detection of red light violations with
VEZHA Traffic Enforcement



FEATURES

- **Instantly detects** vehicles that ignore red traffic lights.
- **Determining the status** of traffic lights using image processing technology, without physical connection to the **VEZHA system**

SYSTEM DEMO

The module operates on the basis of **VEZHA LPR**, providing data on traffic violations, such as vehicle number, make, model, time and place, country, direction

VEZHA

FACE RECOGNITION

VEZHA FACE RECOGNITION

VEZHA Face Recognition ensures identification reliability at a level of up to 99.35%, providing fast and accurate results even in demanding conditions. With an identification speed of 0.1 seconds for a database of 1 million individuals, the system reacts instantly. Flexible management allows creating an unlimited number of lists (white, black, VIP) for effective control and access management.



Real-time Privacy Protection

VEZHA ensures the security of video stream viewing through the integrated "Face Blurring" solution, guaranteeing data confidentiality.



Lists

The company offers the ability to create a database of up to 100,000 people for free.



Age and Gender Detection

Functional analysis includes determining the age and gender of the person, as well as classification by age range and gender.



Mask Presence Detection

A separate system function is the detection of the presence of a protective mask on the face, promoting compliance with safety norms and providing control over this parameter.



VEZHA FACE RECOGNITION

SECURITY AND VIDEO SURVEILLANCE

VEZHA Face Recognition is designed to address a range of security issues in the context of a Smart City. Its unique identification capabilities enable effective detection of potentially dangerous situations, such as unauthorized access or intrusion into a facility.



Real-time Identification

VEZHA Face Recognition detects faces and automatically checks them against a database, allowing for an instant response to potential threats.



Detection and Identification of Suspects

The system enables the police to quickly identify suspects **20 times faster**, providing crucial data for investigations.



Creating a Safe Environment

VEZHA Face Recognition contributes to creating a secure environment, protecting citizens from crimes, finding missing persons, and identifying offenders.

SYSTEM DEMO



VEZHA

SMART VA

VEZHA SMART VA

VEZHA Smart VA is a powerful tool for video analytics and security. Utilizing advanced artificial intelligence technologies, the plugin allows you to configure detection rules and automatically analyze the behavior of people and vehicles.

Features



Smart Search

Search by attributes of people and vehicles, using filters for zones and trajectories.



Detection Rules

Create individual detection rules for objects (Zone, Line, Path, Zone with Direction).



Heatmap Generation

Visualize activity patterns using heatmaps to enhance spatial data analysis.



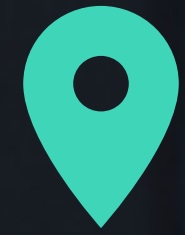
AREAS OF APPLICATION

VEZHA Smart VA enhances security and allows organizations to gain valuable insights for managing spatial dynamics.

Use Cases

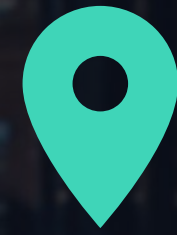
- **Industrial Sites:** Monitoring employee safety and rapid response to hazardous situations.
- **Medical Facilities:** Detecting patients or staff who need immediate assistance.
- **Public Places and Transportation:** Monitoring suspicious objects and individuals to protect passengers and visitors.
- **Educational Institutions:** Ensuring the safety of students and teachers, preventing incidents on school and university grounds.

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