



AutoTRASSIR

Smart License Plate Recognition Module License plate

Detection and identification of vehicles in the video stream ensures security, improves process efficiency and solves business tasks



AutoTRASSIR

Neuroanalytical smart module for identification, recording and event search of vehicles and their registration plates.

The module automatically detects and determines the type of vehicle (motorcycle, passenger car, van, truck, bus) and identifies the license plate in real time, stores it and compares it with the database list.

The logo for AutoTRASSIR, featuring the word "TRASSIR" in a stylized, white, sans-serif font with a registered trademark symbol. The letters are slightly shadowed, giving them a 3D appearance as if they are floating above the road scene. The background of the entire slide is a high-angle, top-down view of a busy multi-lane highway during sunset or sunrise, with cars in various lanes and colors. The license plates of several cars are highlighted with red rectangular boxes, indicating the system's detection capabilities. The word "BUS ONLY" is visible on the road surface in the upper middle section.

TRASSIR®

AutoTRASSIR features

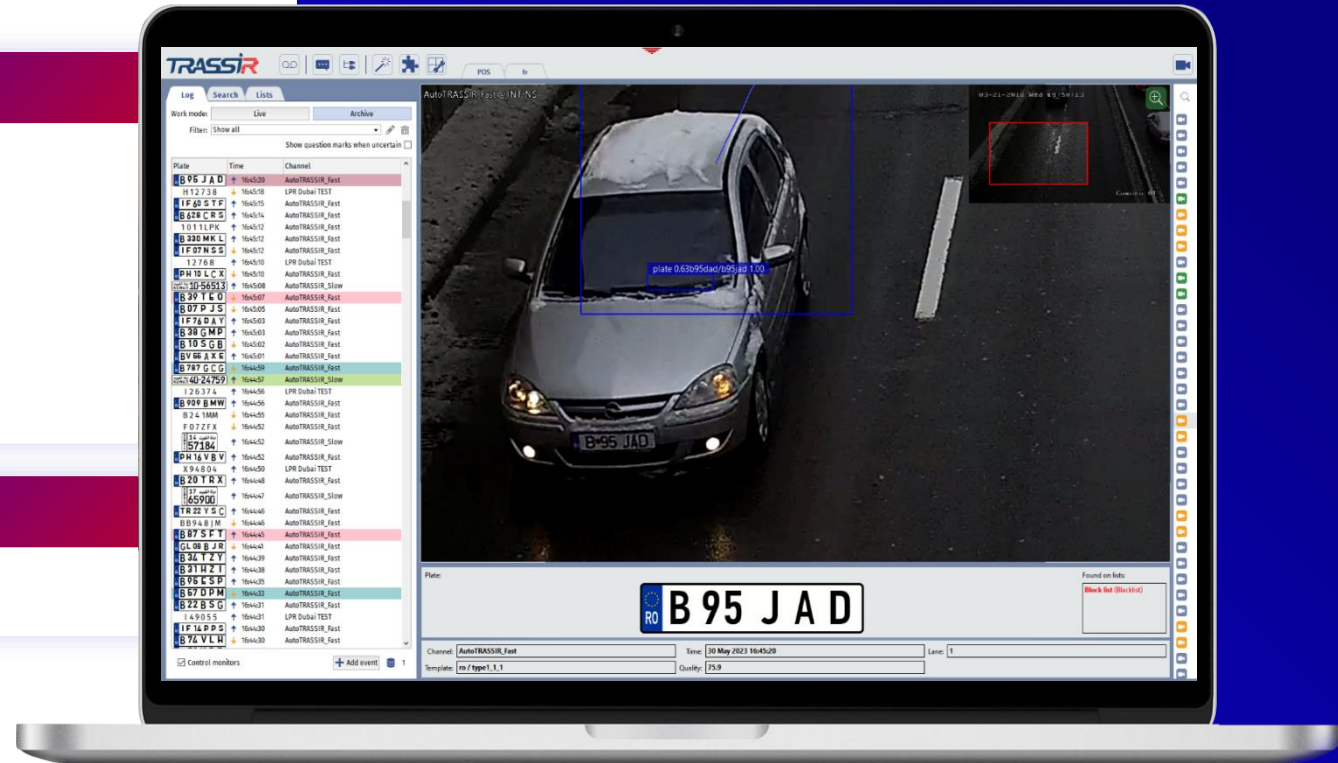


Crime prevention:

- Vehicle tracking
- Facilitating law enforcement efforts
- Preventing terrorist attacks Criminal search
- Detecting vehicles without license plates

Accounting and control:

- Logging and event search



AutoTRASSIR usage scenarios



Speed control:

- Calculation of vehicle speed using the license plate
- Traffic flow calculation
- Integration

Service and security:

- Quick and convenient access to the parking lot
- Access control to areas that require an additional level of authorization
- Barrier/gate management Blacklist, VIP list etc.



AutoTRASSIR usage scenarios



Analytical capabilities to solve complex business problems

Traffic flow management:

- Count and behavior analysis
- Control of set boundaries violation

*using the Neuro Counter+ INT module

Payment collection:

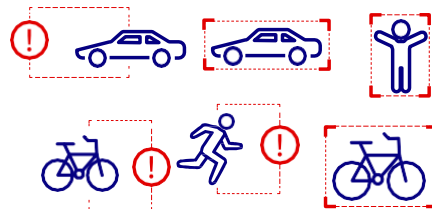
- Providing control of payment points via license plates
- Vehicle counting

*using the NeuroCounter module

Analytics:

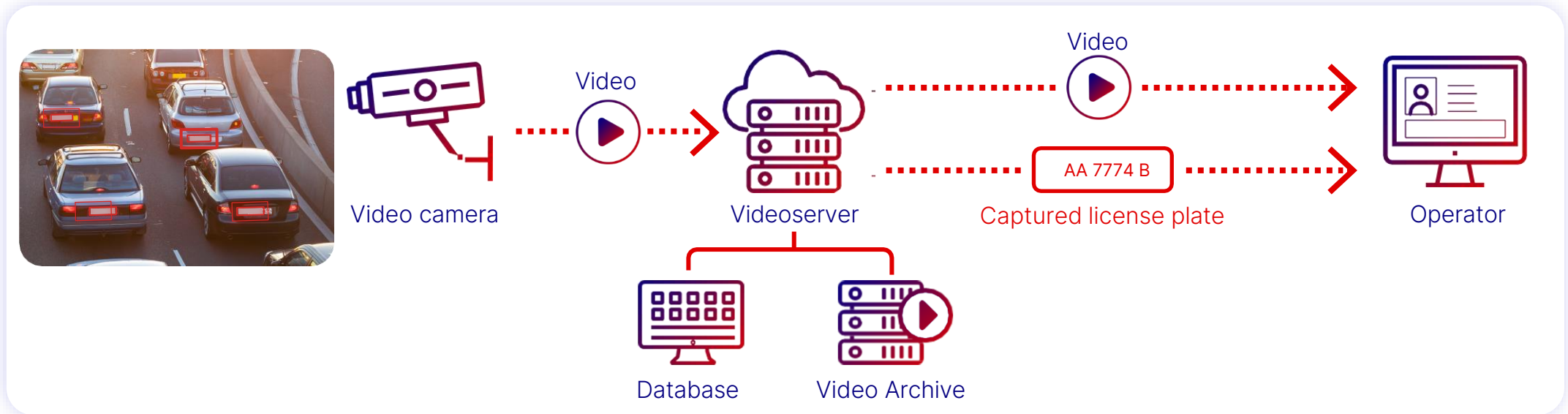
- Forming a database of recognized license plates combined with the image of the car, detection date and direction of movement
- Logging and event search

*using the Neuro Counter+ INT module



*Neuro Counter+ INT – smart object counter, that also tracks the movement of objects towards a forbidden direction

Solution architecture. How does it work?



Response scenarios:

Notifications

- In the TRASSIR interface

Notification:

- Email alerts
- Telegram alerts

Integration with on-site systems:

- Access control system (turnstiles, doors, etc.)
- Voice announcement system
- Alarm system
- Radars

Areas of application



Airports



Public places



Retail



Road infrastructure



Business centers
and offices



Industrial
enterprises



Cultural and
sports facilities



Customs and
border control



Safer city

Solution benefits



Smart algorithms

high percentage of accurate recognition in a live video stream or from photos. Adaptation to different exposure conditions and changes in the physical characteristics of the human face

Versatility

capability of working with two-line license plates, recognition of license plates of **Turkey, Taiwan, Moldova, Kyrgyzstan, Kazakhstan, Spain, Georgia, Belarus**, etc.

Modification and variability

the option of expanding functionality and further customization.

Solution options:

- **AutoTRASSIR+ INT** – license plate recognition at speeds up to 200 km/h. Suitable for use on highways. Includes average speed calculation (between two cameras) and HW LPR. Integration (specific to be clarified with pre-sales manager)
- **AutoTRASSIR Parking** – license plate recognition at speeds up to 30 km/h. Suitable for use in parking lots. Includes module for monitoring the number of vehicles and time of their stay

Offload analytics

the option of gradual increase of smart functionality

Operator interface

working tool for information processing, automatic and quick notification of the operator on detecting recognized faces

Integration

the necessary set of mechanisms for integration with hardware

AutoTRASSIR. Stories of Success



OKB Mikron is a company that specializes in the production, development, testing and maintenance of various equipment and tools

Industry: Engineering

Results of implementing the solution:

- Development of an automatic control system for entry and exit to the territory of production with the use of white and ban lists
- Integration into the existing enterprise management system
- Proven 95% accuracy of license plate recognition, reducing the time costs of security personnel due to the introduction of automatic control



AutoTRASSIR. Stories of Success



ROMCARTON is the largest plant in Eastern Europe, located in Romania and specializes in the production of corrugated cardboard materials. The area of the plant is about 35,000 m²

Industry: Engineering

Results of implementing the solution:

- Consolidation of fragmented systems under a single unified core
- The need for automated access control to the production area, as well as monitoring traffic flow compliance
- 25% decrease in payroll





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