



Understanding, Prediction,
Integration, Protection

TRASSIR today



Experience in CCTV
surveillance

SINCE 2002

15 000 +

loyal customers around
the globe

3

R&D centers



50

countries with TRASSIR
installations

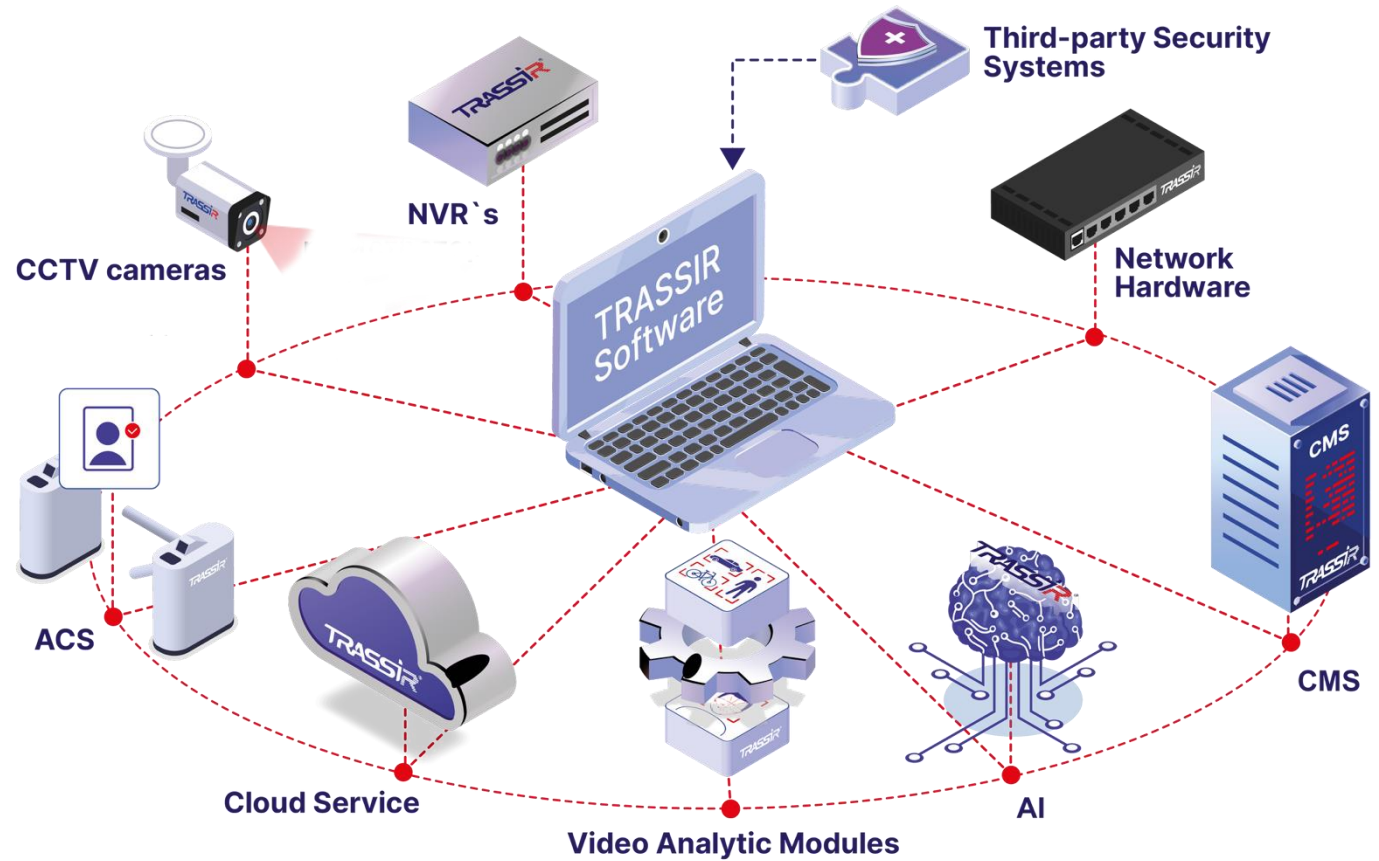
TRASSIR open digital platform includes



TRASSIR creates
advance solutions
in the field of security
and automation

TRASSIR'S GOAL

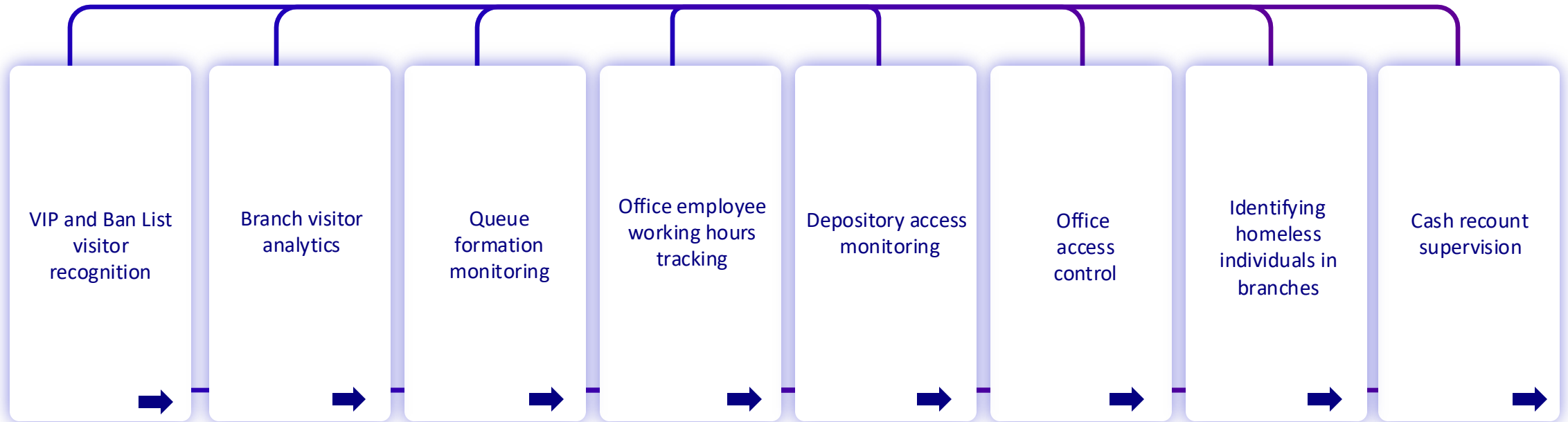
to improve the security of society,
sustainability and profitability of
businesses using machine
perception and event prediction
technologies



TRASSIR Solves Tasks



Business Tasks



TRASSIR®



Integrated complex solutions for
Finance sector

Use cases

Recognition of visitors from the Ban List or VIP clients:

- Detection of unwanted office and branch visitors from the Ban List
- Manager notification when a VIP client appears in the branch

Branch visitor analytics

- Counting unique visitors and compiling gender-age audience analysis to determine the target audience of a specific branch

How do you solve it with TRASSIR:

- Clients are added to the database as VIP or unwanted clients in the Ban List; when a visitor appears in the branch, instant notification is sent via email or Telegram to the relevant employee (security department or VIP client service department)
- Determining gender, age and other visitor attributes through facial recognition. Generating reports and dashboards based on the obtained data. Counting the number of visitors with data breakdown by specified time intervals - hours, days, weeks, months, years.

Queue Analytics

Task | Increasing customer service quality through queue formation monitoring and predictive analytics

How it works

- When the number of visitors waiting in lines exceeds a preset value, an incident is instantly generated, and a notification is sent to the responsible employee for taking appropriate actions.
- The analytics module allows you to analyse the schedule of visits to a branch and predict the required number of employees on site at certain time intervals. For any period of time, a report can be generated on the presence of queues at the point, peak hours, etc.



Employee time tracking and attendance control

Task

Remotely monitor employee presence at the workplace and detect unauthorized absences

How does it work

- The responsible person sets the necessary parameters for the module's operation: the area of the workspace, employee schedules, and the permissible time an employee can be absent from their workplace.
- A camera with the connected module is installed in the office or another workspace.
- The Workplace Detector INT actively monitors these parameters and generates notifications, sending alerts to the responsible party whenever employees exceed the permitted absence time from their workplace.
- The module compiles daily reports detailing the actual time employees are present on-site. These reports are then emailed to the responsible party for review.
- It can be used to identify situations when all employees have left their workstations.



Perimeter Security Solution

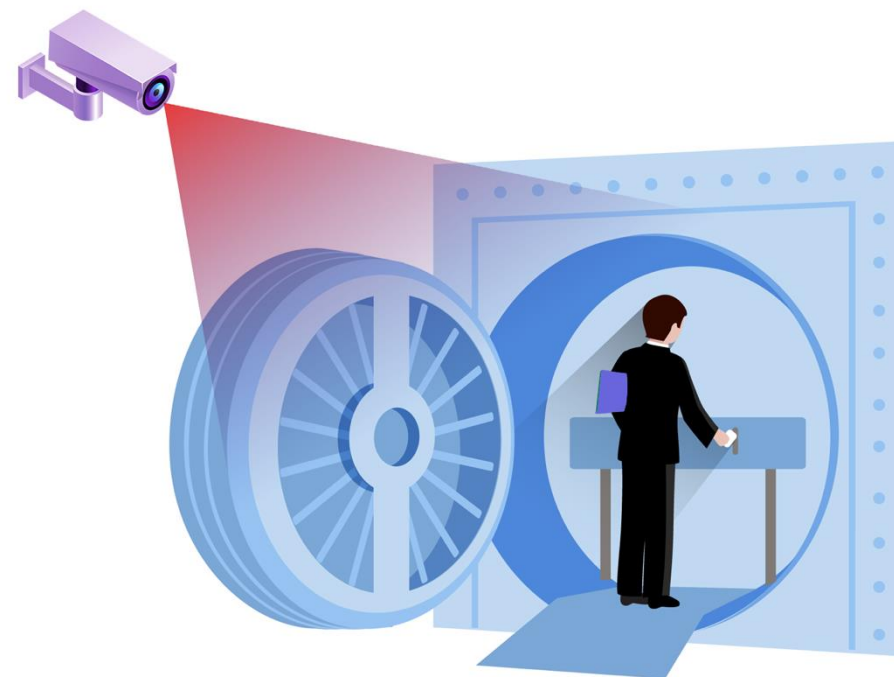
Instant notification to security personnel when a person breaches the facility's perimeter

Use cases

- Monitoring access to restricted areas (depositary)
- Detecting potential bank card fraud: cashing out money from many cards

How do we solve it

- When the perimeter is breached, the security monitor displays the camera feed where the incident was detected in the observation area. An alert is also sent to Telegram and email
- The response time to the incident is recorded and logged, along with the action taken by the dispatcher for subsequent analysis of personnel effectiveness
- The time a person spends near the ATM is being tracked. If the time exceeds a threshold of 3 minutes, a notification is sent to internal security personnel about potential fraud involving cash withdrawals from different cards.



Access control to office premises with TRASSIR ACS



Solves the following tasks

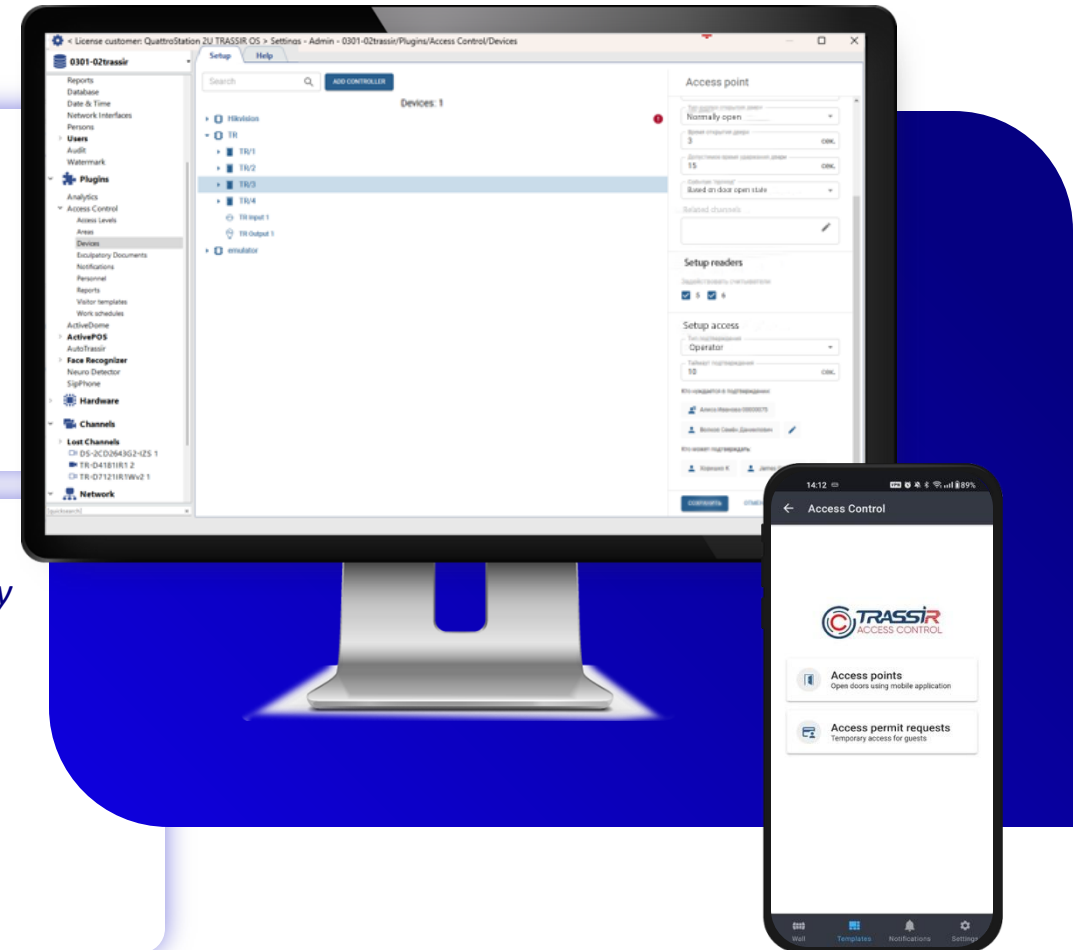
- Face, card, and fingerprint authentication
- Employee time tracking
- Payroll automation (with accounting system integration)
- Personnel & visitor database management
- Seamless security system integration

Seamless integration with leading manufacturers' devices:

- Hikvision
- ZKTeco

Seamless integration with other security systems (Access Control and Fire Alarm systems):

- *Suprema Biostar 2*
- *Bosch FSM 500*
- *Honeywell winmag v7*



TRASSIR Pose Detector



AI-Powered Detector that classifies human poses based on movement and behavior algorithms

Use cases

- Notification to security personnel about individuals lying on the floor near ATMs. Detection of homeless individuals.
- Alerts regarding unusual behavior of employees and visitors during robberies and other emergencies

How do we solve it

- Detects a person and determines the position of their body parts
- Using tracking of detected objects, identifies potentially dangerous individuals, classifies poses as normal or potentially hazardous
- Allows configuration of detectable object size, zones for pose detection, sensitivity, quality, and recognition speed



Control of cash counting

Task

Accelerating the detection of cash shortages based on currency-counting machine data

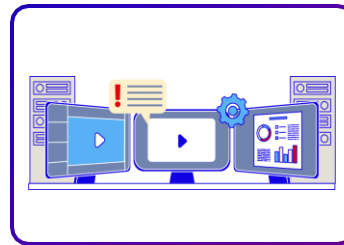
How it works



- Currency-counting machine operations are synchronized with the video stream



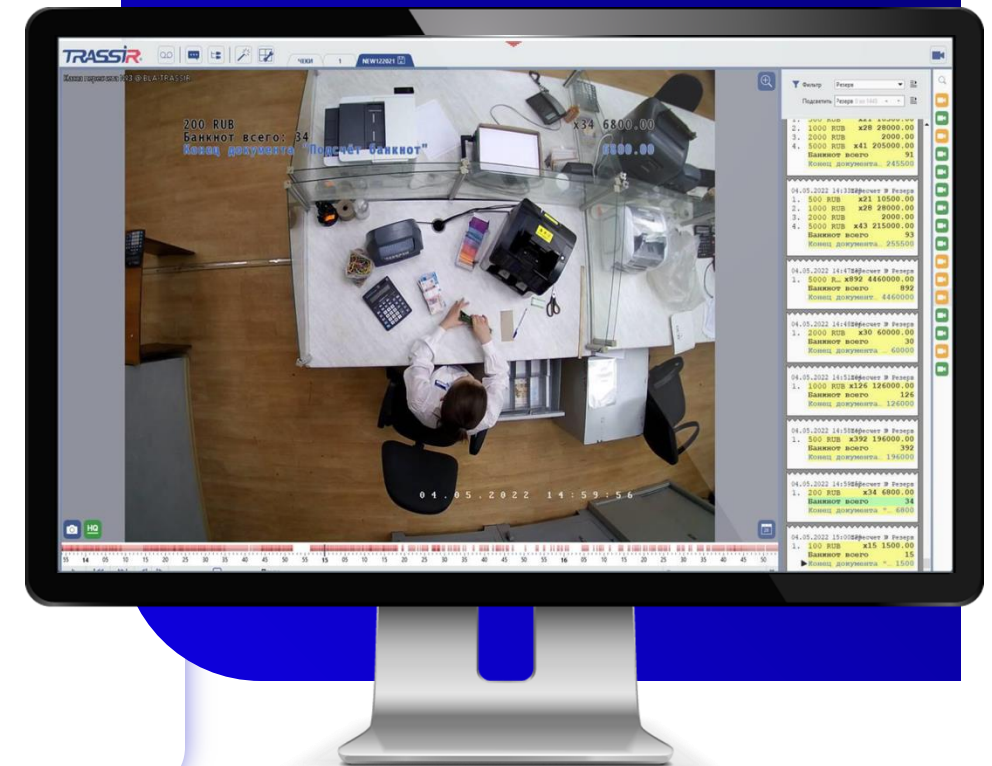
- Search and selection of operations by parameters



- Output of alarm events to the operator
- Viewing actions in a record
- Formation of reports

Suppose the counting machine rejected one bill when counting a stack of banknotes (Reject)

The ActivePOS module records the event and synchronizes it with the video segment thus we get a link: **event — video fragment** thereby significantly saving time when resolving disputed situations





 welcome@trassir.com

 www.trassir.com