

CCTVECOSYSTEM





TRASSIR TODAY

18 YEARS

OF EXPERIENCE IN **CCTV SURVEILLANCE** 1700+

LOYAL CUSTOMERS ALL OVER THE GLOBE 30%

COMPOUND ANNUAL **GROWTH RATE**

22

COUNTRIES OF TRASSIR INSTALLATIONS

TOP-10 COMPANIES IN EMEA

RATED AMONG THE GLOBAL CCTV COMPANIES TOP-30



TRASSIR: WIDE RANGE OF SOLUTIONS FOR VARIOUS INDUSTRIES





OUR CLIENTS AND PARTNERS ACROSS THE GLOBE











































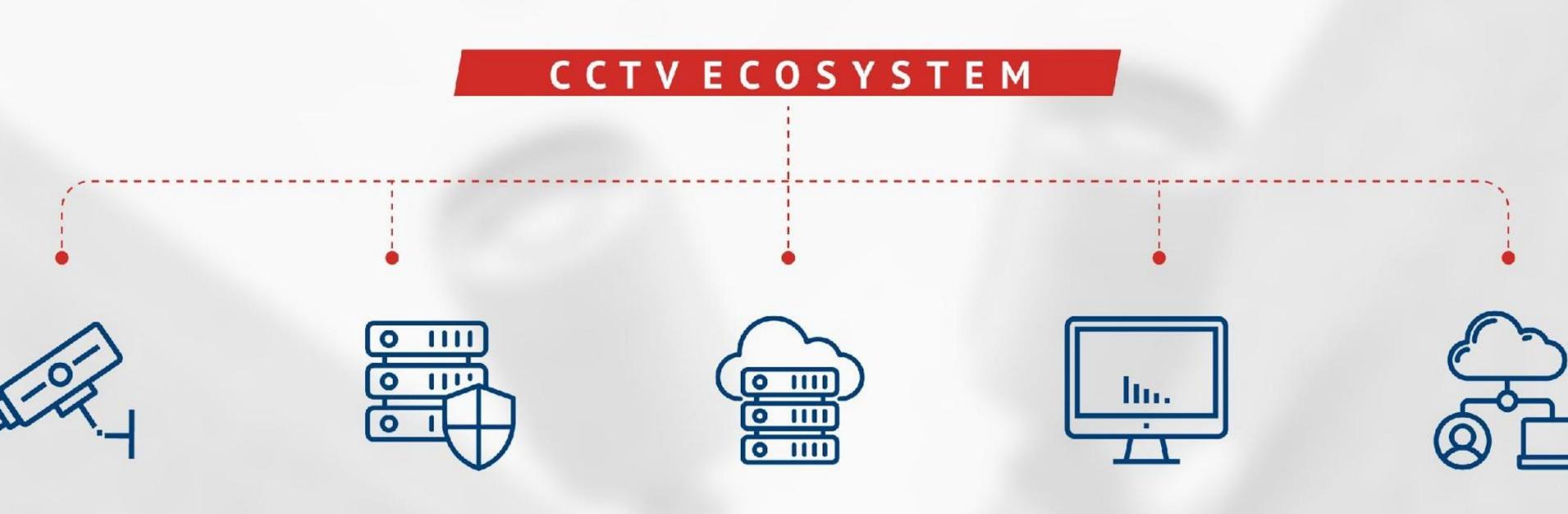












CAMERAS

NETWORK VIDEO RECORDERS

VMS

VIDEO ANALYTICS CMS

CERTIFICATION



The TRASSIR equipment meets the EU safety and other applicable requirements (CE certification).

- Electromagnetic compatibility (EMC)
- ✓ Low Voltage Directive (LVD)
- ✓ RoHS Directive
- Radio Equipment Directive (RED)







CERTIFICATE OF CONFORMITY

NO.: C190813021002-1

± following products have been tested by us and found in conformity with the RoHS
± sclive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex
I)2017/2102. It is possible to use CE marking to demonstrate the conformity with this
active.

Applicant : Sever CSB Ltd

: Part of room No.12, Office1 H, Building L, 22 Energetikov Avenue, Saint

Petersburg, Russian Federation, 195248

s Sever CSB Lld

Address : Part of room No. 12, Office1-H, Building L, 22 Energetikov Avenue, Saint

Petersburg, Russian Federation, 195248

Network video recorders

demark TRASSIR

TRASSIR NeuroStation

: TRASSIR NeuroStation Pro, TRASSIR NeuroStation Compact RE, TRASSIR UltraStation 16, TRASSIR UltraStation 36, TRASSIR UltraStation

24, TRASSIR QuattroStation 2U, TRASSIR QuattroStation Pro, TRASSIR

MiniClient, TRASSIR Client, TRASSIR CM3 Station

Report No: : C190813021002

est method : IEC 62321-3-1.2013& IEC 62321-5.2013&

IEC 62321-4:2013+A1:2017& IEC 62321-7-1:2015 &IEC 62321-7-2:2017 & IEC 62321-6:2015

& IEC 62321-8:2017

RoHS

Model/Typereference

Signature:

Eurones Consumer Produ

certification is part of the full test report(s) and should be read in conjunction with it. The single evaluation of one sample of above-mentioned products. It does not imply an e-production and does not permit the use of the test jab, logo.

es (Googgash) Consumer Products Testing Service Co., Ltd. 1 (86 /69) 3883/858 1 (86 /69) 3883/859 Http://www.cpettab.com Building Publishing, Nu 77, Hellan Avenue, Hunjie, Dungguan, Guangdong, China Publicute. 523945 F-mail service@cpullab.com



TRASSIR: BASIC ANALYTICS











TRASSIR CLIENT



TRASSIR SABOTAGE DETECTOR



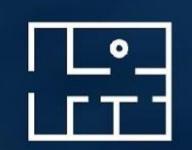
TRASSIR MOBILE CLIENT



TRASSIR FIRE & SMOKE



TRASSIR SOUND DETECTOR



TRASSIR PLANS



TRASSIR: BASIC ANALYTICS

TRASSIR MULTISEARCH

Trassir MultiSearch allows you to play back several fragments from the archive simultaneously from different time points at once and view several recoardings from selected areas. Up to 7 independent fragments can be launched simultaneously.

TRASSIR HEATMAPS

Trassir HeatMaps helps increase attentiveness of operator via showing colored trail of each moving object. Colored trail disappears in time.

TRASSIR ACTIVESEARCH

Trassir ActiveSearch - for interactive motion search video archive in any selected zone of a frame.

TRASSIR EVENTSEARCH

Trassir EventSearch - for interactive event search based on system log.

TRASSIR SABOTAGE DETECTOR

Trassir Sabotage Detector - video analytics, that detects sabotage: defocusing effect, field of vision changing, object-glass closing or light striking, connection fault, signal losing. Incident reaction tuning capability, for example: audio signal and/or message, alarm, contacts control.

TRASSIR FIRE & SMOKE

Trassir Fire & Smoke video analytics that detects fire and smoke. Incident reaction tuning capability, for example: audio signal and/or message, alarm, contacts control.

TRASSIR SOUND DETECTOR

Trassir Sound Detector - allows to detect loud sound, start recording based on sound threshold before motion starts.

TRASSIR PLANS

Trassir Plans - Multi-level maps software module for Trassir. Map reflects cameras, servers, other system objects.

TRASSIR MOBILE CLIENT

Trassir Mobile Client - mobile applications for remote connection to Trassir servers directly via IP adress or via Trassir Cloud. Live video, archive access, PTZ, sound and other capabilities.

TRASSIR CLIENT

Trassir Client Software application
for remote access to
Transsir servers.
Supported OS:
Windows, Linux,
MacOS.

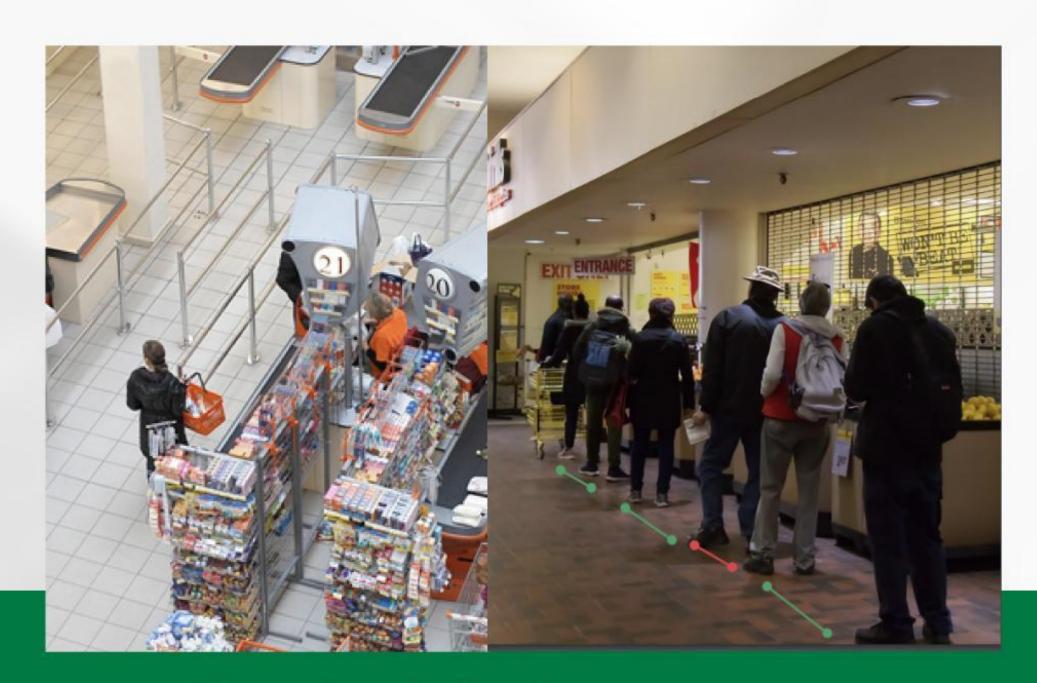


SOLUTIONS FOR INDUSTRIES



ANTI-COVID SOLUTIONS

Intelligent video analytics to respond to pandemics



TRASSIR Social Distance Detector

was designed as a response to the COVID-19 pandemic for keeping social distance while in a crowd.



- Customized set up of the appropriate distance
- Alert system via notification bars, sms
- Speakerphone notifications

- Alert system via notification bars, sms
- Speakerphone notifications

in public areas.

Access lock if synchronized with doors or turnstiles





TRASSIR SOLUTIONS: RETAIL

Intelligent cash control video Analytics

Trassir Active POS

helps bring down both planned and unplanned POS losses

50+

active scenarios

Versatility:

supermarkets | restaurants gas stations | pharmacies fast food cafes | boutiques | etc.

10+ available live reports:

- employees' KPI
- cash transactions' KPI
- the amount of losses

Customization available upon request



CONNECTED TO THE ACTIVEPOS THE VIDEO ANALYTICS MODULES WILL EXPAND THE CAPABILITIES OF ANALYTICS AND CONTROL:

- Store traffic monitoring
- Automatic sales conversion report
- Queue monitoring

- Customer flow analysise
- On-shelf availability control
- Customer activity and places of interest monitoring
- Automatic time sheets
- Employees' presence in the workplace control



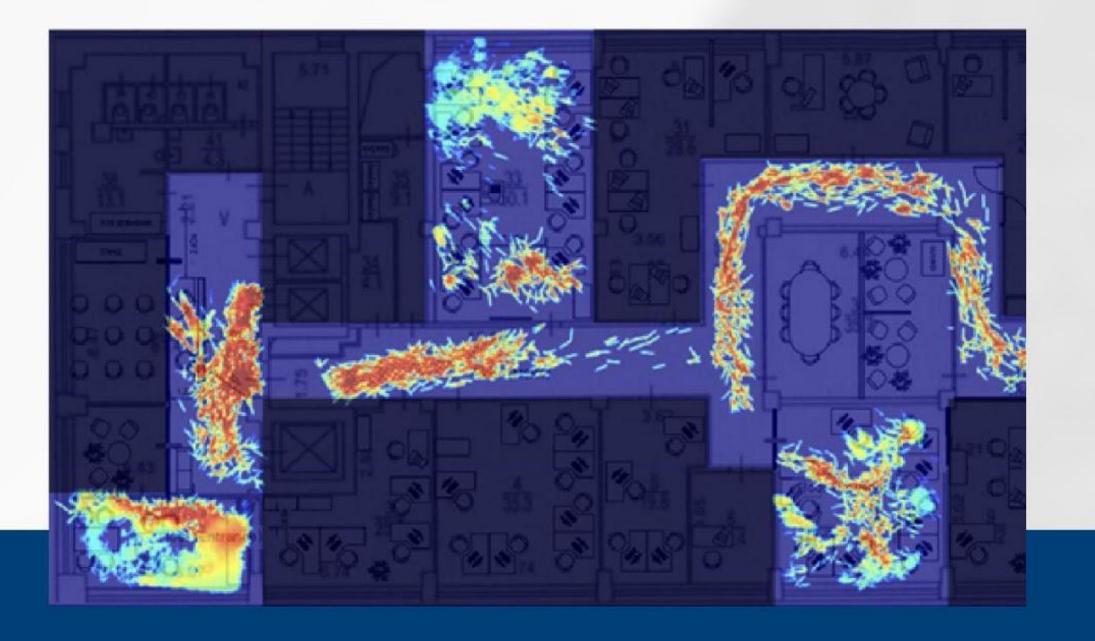
TRASSIR SOLUTIONS: RETAIL

Improve your business with the intelligent video analytics





- Shelves merchandising monitoring
- Out-of-shelf notification
- Automatic reporting to forecast the customers demand on certain SKUs
- Automatic monitoring of the staff performance



Heat Map on Map is an advanced thermal image analysis technology.

- Kinetic map shows the areas with high human traffic flow
- Stationary map shows the areas where people are more likely to stop
- Trajectories the approximate movement direction on the map



TRASSIR SOLUTIONS: TRANSPORTATION

AUTO TRASSIR IS DESIGNED TO AUTOMATICALLY RECOGNIZE LICENSE PLATES ONCE CAPTURED BY CAMERAS.

High accuracy of license plate recognition

Defines the vehicle classes: motorcycles, passenger cars, minivans/vans, trucks, buses.

Defines two-line numbers

Recognizes license plates from difficult angles

APPLICATION:

To monitor/control the in-/outcoming vehicle flow (public and private parking lots or garages, checkpoints)

To control automobile traffic at all types of roads

THE MODULE'S CAPABILITIES MAY BE ENHANCED
BY INTEGRATING IT WITH THIRD-PARTY SYSTEMS
(ACCESS CONTROL SYSTEMS, VIDEO AND AUDIO
CONTROL) AND EQUIPMENT (BARRIERS,
ACTUATORS, ETC.).



MANUFACTURING: TRASSIR SOLUTIONS



Video analytics controls help meet safety rules



Trassir HardHat Detector enables HSE compliance for industrial and other manufacturers and construction projects.



Trassir Wear Detector is an analytical module detecting if staff wear their workwear based on the garment color.

- Notification system: email, sms
- High accuracy object recognition
- Definition of hardhats and clothes colors
- Customization available upon request
- Various color classification for different types of employees

TRASSIR®

TRASSIR SOLUTION: PUBLIC AREAS



Face recognition - intelligent face recognition and search module based on a pre-configured database of people (residents, staff, etc.).



Integration TRASSIR video surveillance system with ACS (Access Control System) provides the client with an integrated ACS will help you to keep track of all events with time reference: each check-in to the parking lot and every passage to the hotel room will be recorded and stored in the archive.

- Prevent access of undesirable people to the facility;
- Detects special guests (VIP) to improve the customer service.

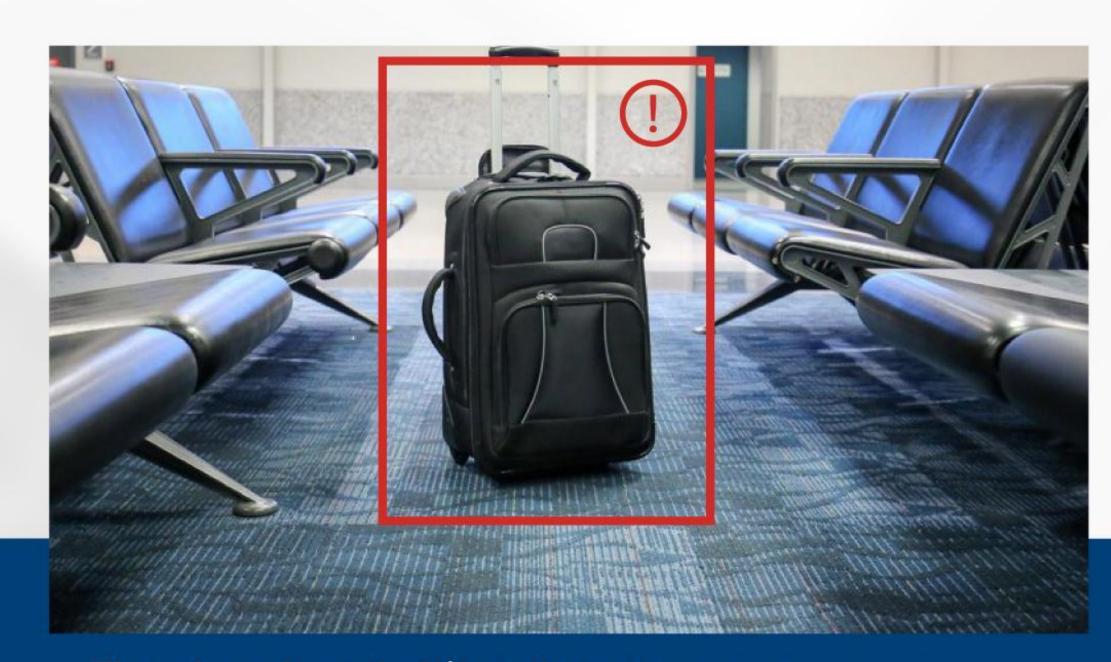
APPLICATION:

Hotels and Restaurants | Schools Clinics | Sport facilities | Banks

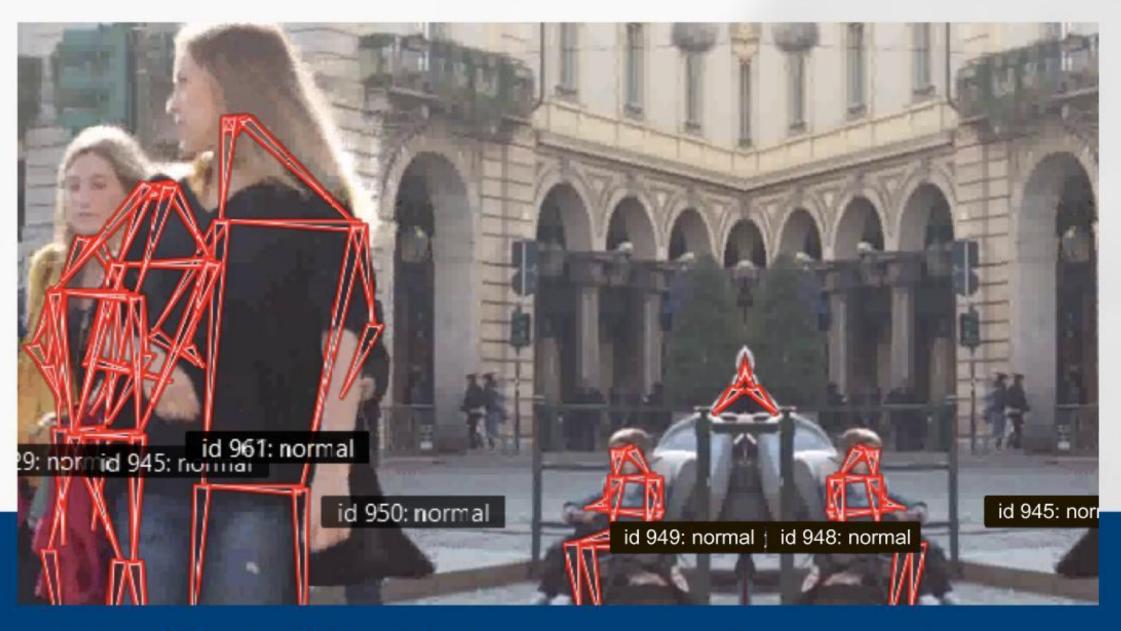
- Receive all the movement statistics immediately for both the hotel guests and the staff;
- Quickly access to all the information about the latest cases of entering the hotel room;
- Set the desired reaction on specific events using the built-in TRASSIR system of rules (scripts).

TRASSIR®

TRASSIR SOLUTION: PUBLIC AREAS



The abandoned object detector is designed to detect abandoned and forgotten things left in the areas monitored by cameras. The detector has the ability to determine the class of the abandoned object: suitcase, backpack, box (and objects similar in shape), bag, duffle (large sports bag) and bag (usually a small woman's bag).



Neural Pose Detector allows to detect different people's postures and classify them. For instance it helps to track a non-typical behavior of people at ATMs, falls of people in hospitals or nursing homes, raising hands up in an armed attack.

APPLICATION:

Airports | train stations | streets

Recognition of the following set of poses is currently supported:

- sitting - lying - raised right hand

- bending over - raised left hand - both hands raised

All other postures are classified by the detector as "normal posture".





COMPLEX SOLUTION: TRASSIR DEFENDER

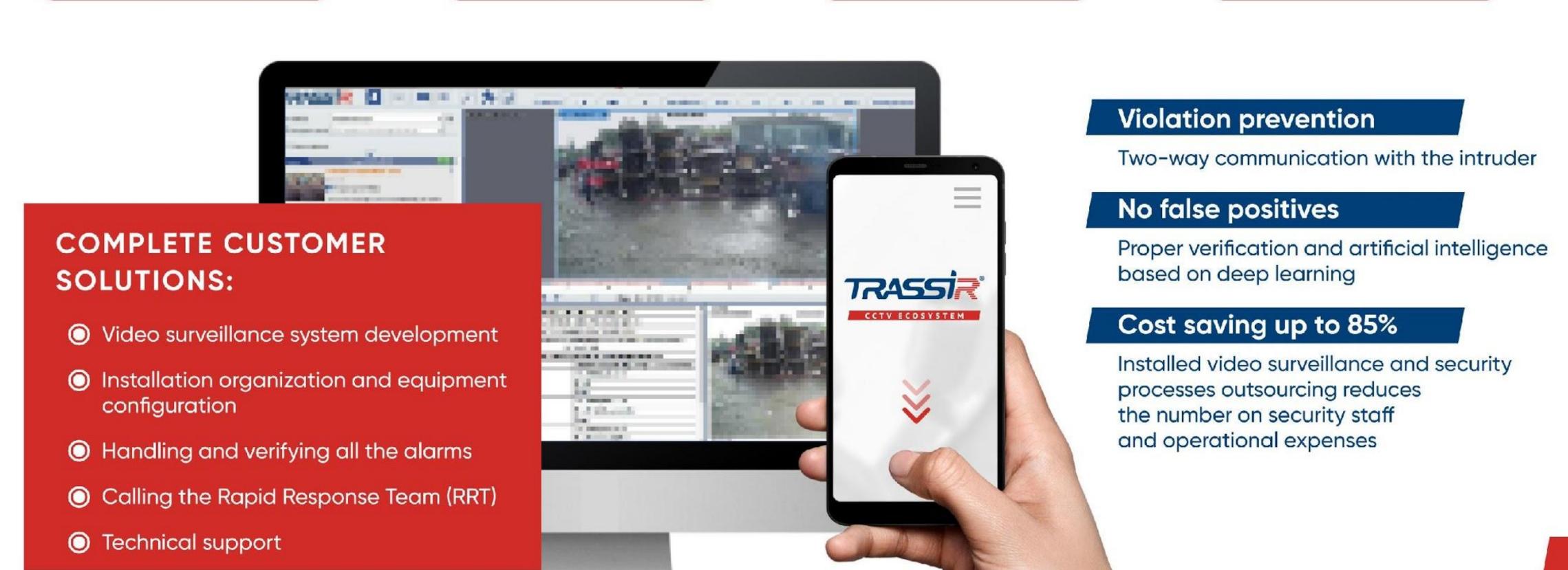
TRASSIR DEFENDER CONSISTS OF:



CLOUD SERVICE

VIDEO MONITORING CENTER

MOBILE APPLICATION





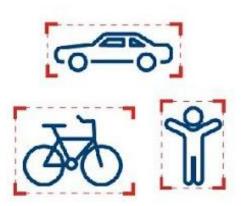
COMPLEX SOLUTION: SMART CITY

ANYTHING CAN HAPPEN IN A LARGE CITY, EVERY MINUTE OF EVERY DAY. IT'S IMPOSSIBLE TO BE EVERYWHERE AT ONCE, AND DEFINITELY IS A WASTE OF TIME AND POLICE FORCE. TRASSIR DELIVERS A COMPLEX SOLUTION TO ENSURE EVERYTHING IS UNDER CONTROL.



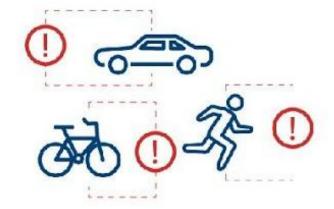
AUTOTRASSIR

License plate recognition module



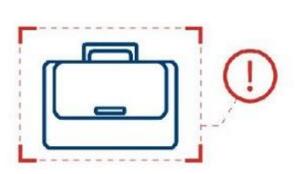
TRASSIR NEURO DETECTOR

Determines – detects prohibited visitors (people, cars, or bicycles) within protected areas



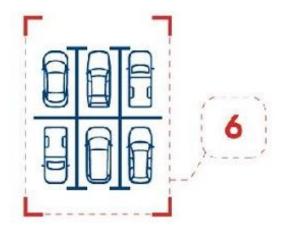
TRASSIR DIRECTION DETECTOR

Detects an object's movement in the prohibited direction (people, cars or bicycles)



TRASSIR ABANDONED OBJECTS

Detects abandoned and forgotten items that potentially threatening the city security.



TRASSIR PARKING

Counts the number of vehicles, as well as the time spent in the parking area

- Complete automated video monitoring of large areas: streets | parks | public | buildings | squares
- High accuracy recognition
- Open system, compatible with legacy equipment

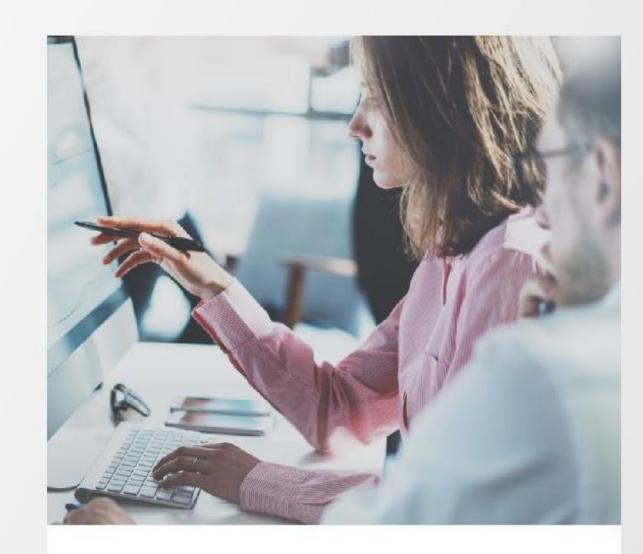
COMPLEX SOLUTION: TRASSIR INTEGRATION WITH ACCESS CONTROL SYSTEM





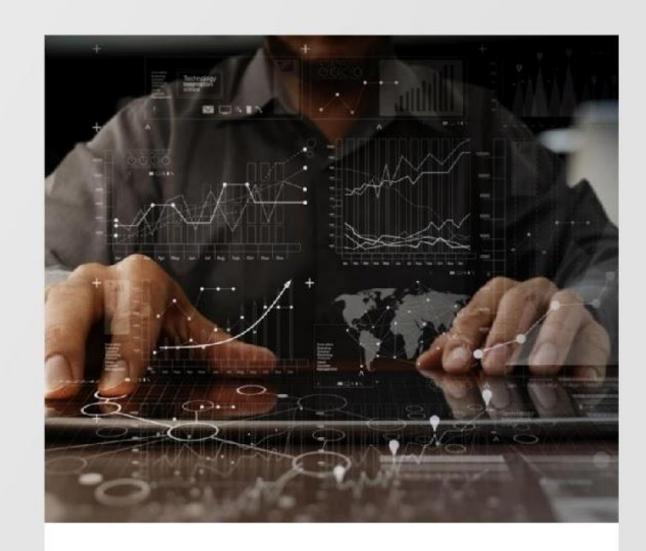
ACCESS CONTROL

- Customized rules for access authorization and restriction
- Multi-factor authentication: complex algorithms for human identification
- A convenient smart alert system



MONITORING

- Real time supervision with access from any part of the world
- History of all events and operator's actions



VIDEO ANALYTICS

- Face recognition, employee time record keeping, crowd detection, face masks and uniform recognition
- Non-contact access to the facility of the guests and employees in the current pandemic situation
- Regular reporting to prevent the future violations

TRASSIR CMS



TRASSIR CMS is a professional cloud-based web service with the record protection functionality.

MAIN ADVANTAGES:

Supports an unlimited number of IP-cameras and video servers.

Exports video

and can be

device.

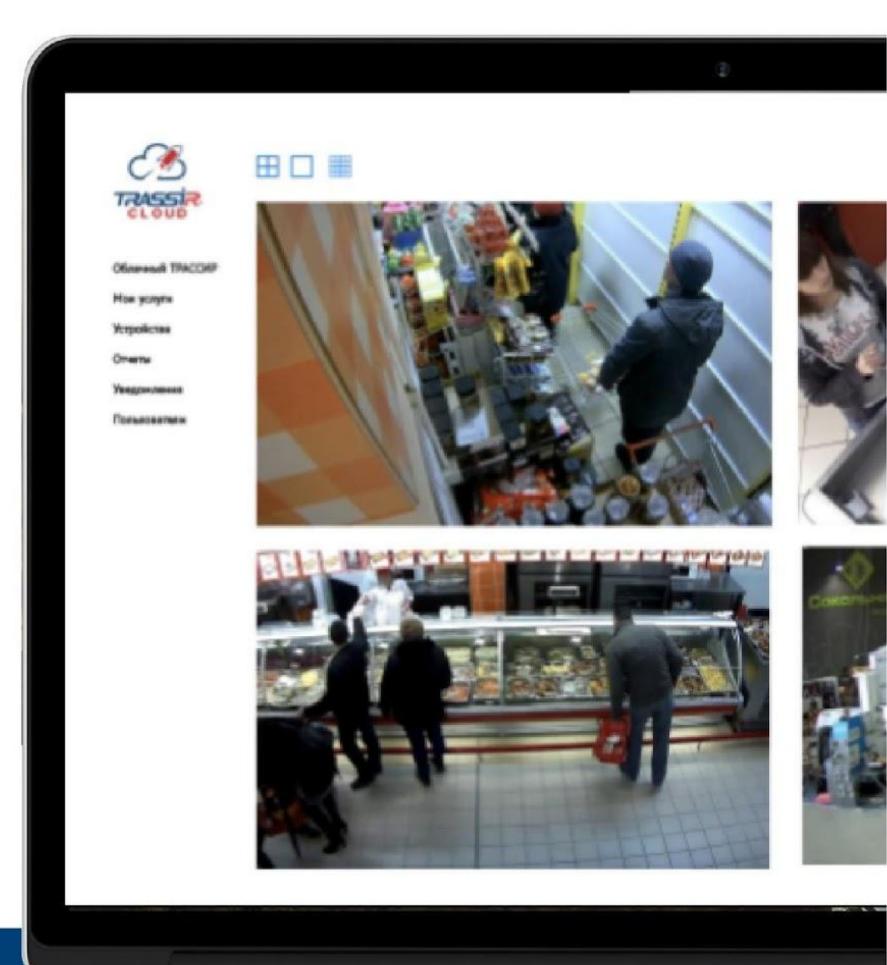
archive to the file.

stored at the Cloud

downloaded to any

Video archive is

- instant alerting: e-mails or push alerts.
- Private Cloud installation for companies that require independent local-based video surveillance.
- Archive video storage with customizable archive depth.
- Double-stream archive record: main and sub stream. Stream back-up allows to save all data even with low-speed or unstable connection.



ANY TIME. ANYWHERE

Access the system from a mobile device or desktop:







CONTACTS



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Hardware Catalog





Video Management Software Catalog