



**A unified security platform
for residential and
commercial properties**

About TRASSIR



Founded in 2002, **TRASSIR** is a leading international developer of **AI-powered security systems**, video surveillance, and proprietary software. Our **in-house designed solutions** redefine integrated security and automation for the modern built environment, ensuring seamless operation, enhanced efficiency, and reliable protection.

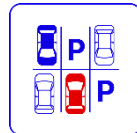
With a versatile and **open AIoT platform**, TRASSIR empowers property developers and managers to create safer, smarter, and more efficient complexes. We provide a **unified security system** that seamlessly integrates access control (ACS), burglar and fire alarms, video intercoms, and parking automation into a single, intelligent ecosystem. Our solutions ensure comprehensive coverage — from perimeter security and entrance control to premises and parking management — delivering peace of mind for residents, tenants, and operators alike.



Perimeter
Protection



License Plate
Recognition



Parking Space
Monitoring



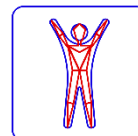
License Plate
Recognition for
Residential Complexes



Access Control



Fire Safety



Pose Detection

Seamless security for modern complexes

Comprehensive access control and premises security

TRASSIR secures every entry point — from lobbies to rooftops — preventing unauthorized access and ensuring only approved tenants and guests can enter.

Automated and efficient parking management

License plate recognition manages access, availability, and reports in real time — improving both user experience and control.

Proactive fire and hazard detection

AI-driven fire and smoke detection verifies alarms visually, ensuring fast emergency response to protect lives and property.

Intelligent perimeter and grounds monitoring

AI-powered analytics detect intrusions in real time, alerting security to stop vandalism, theft, or trespassing before it escalates.

Enhanced resident safety and rapid response

Instant alerts for unusual behavior or unauthorized presence help security act quickly to protect residents' well-being.

Unified security system integration

Video surveillance, access control, fire, and alarms are unified on one platform — reducing costs and simplifying management.

Create multi-layer protection

up to
30% savings on design,
installation, configuration
and maintenance

up to
40% faster
deployment

Smarter protection, everywhere you need it

- **Residential & office grounds**
Ensure safety in common areas, courtyards, and shared spaces.
- **Perimeter and fences**
Real-time intrusion detection to stop trespassing before escalation.
- **Technical rooms and restricted areas**
Prevent unauthorized access to server rooms, utilities, and rooftops.
- **Lobbies and reception areas**
Monitor crowding, loitering, and unauthorized presence.
- **Parking areas & garages**
License plate recognition, automated access, and vehicle tracking.
- **Control rooms & security centers**
AI-driven alerts for faster, coordinated responses across the property.
- **Elevators and stairwells**
Detect unusual behavior, overcrowding, or unauthorized access.
- **Corridors and hallways**
Prevent loitering, monitor movement, and enhance tenant safety.
- **Entrances and access points**
Secure entry with access control, intercoms, and visitor verification.



Perimeter Protection

Module: Neuro Counter+ INT

Key benefits:

- **Proactive intrusion prevention:** Solves ineffective perimeter monitoring by using AI classification (human/vehicle) to automatically detect unauthorized access in restricted zones, drastically reducing false alarms and providing 24/7 virtual access control.
- **Accelerated incident response:** Addresses slow investigation times by enabling security to filter video archives for specific events (like line crossings), retrieving crucial evidence in minutes instead of hours.
- **Comprehensive perimeter security:** Offers a unified solution to monitor diverse areas — from technical rooms to open lawns — ensuring consistent protection of all sensitive grounds from a single platform.
- **People counting and direction detection:** Enable efficient management of high-traffic areas, ensuring smooth flow and reducing congestion. Enhances security by monitoring unauthorized movements and helps in making informed decisions about space allocation and resource management, ultimately improving tenant satisfaction.



License Plate Recognition

Module: AutoTRASSIR+ INT

Key benefits:

- **Automated access control:** Provides seamless, hands-free entry for authorized vehicles, eliminating manual tracking and checks. This reduces congestion and removes the inability to automatically compare vehicle arrivals against schedules.
- **Comprehensive audit trails:** Automatically generates detailed logs of all entry and exit times. This data is essential for security reviews, operational analysis, and billing, replacing unreliable manual record-keeping.



Parking Space Monitoring

Module: Parking Analytics

Key benefits:

- **Real-time space monitoring & guidance:** Eliminates inefficient space use and "parking fatigue" by providing a live overview of available spots, directly reducing congestion and search time..
- **Data-driven optimization:** Offers actionable analytics on usage patterns to optimize capacity, inform security routes, and enable strategic planning, replacing manual observation.



License Plate Recognition for Residential Complexes

Module: Residence Parking

Key benefits:

- **Automated access control:** License plate recognition enables seamless, keyless entry for authorized vehicles, eliminating manual checks and reducing congestion at barriers.
- **Flexible management:** Customizable permissions for different user roles and detailed reporting simplify managing temporary access for guests and services, while features like buffer zones facilitate short-term access for couriers or emergency vehicles.

- **Real-time parking oversight:** A live dashboard provides immediate visibility into space occupancy, enabling efficient utilization and eliminating disputes over availability.
- **Seamless integration:** The system easily integrates with barriers, LED panels, and third-party systems via API for a comprehensive security solution.



Access Control

Module: TRASSIR ACS

Key benefits:

An integrated security platform that unifies video surveillance, analytics, access control, fire alarms, and video intercoms to secure common areas and prevent unauthorized access.

- **Multi-vendor security systems integration:** Seamlessly operates with TRASSIR, Suprema, Honeywell, Hikvision, and ZKTeco hardware.
- **Cost-effective and simple setup:** A single server can be used both for security and VMS solutions.
- **Tailored configuration:** Rules, scripts, and an open API allow for customization to specific business needs.



Fire Safety

Module: Neuro Fire & Smoke Detector INT

Key benefits:

- **Early and accurate fire detection:** Advanced computer vision identifies visible flames and smoke at the earliest stages, overcoming the delays of traditional detectors and providing a critical head start for emergency response.
- **Instant visual verification:** Alerts include direct video feed, enabling immediate confirmation of the threat and eliminating the delay caused by lack of visual evidence for faster, informed decision-making.
- **Enhanced coverage and reliability:** Monitors extensive indoor and outdoor areas, covering blind spots of conventional systems while reducing false alarms through sophisticated visual analysis.
- **Proactive damage prevention:** By triggering early, verified alerts, the system enables a swift response that helps minimize property damage, protect assets, and ensure occupant safety.



Pose Detection

Module: Pose Detector INT

Key benefits:

- **Automatic intrusion & emergency detection:** Identifies unauthorized individuals and detects potentially hazardous situations, such as a person in a prone or seated posture, indicating a fall or medical incident.
- **Instant alerting for rapid response:** Immediately notifies security personnel to enable prompt intervention, whether for addressing a trespassing incident or providing first aid.
- **Minimized impact:** Early detection and swift intervention help reduce the severity of injuries and maintain safer premises.
- **Supported poses:** Currently recognizes a predefined set of postures for accurate analysis:
 - ✓ sitting
 - ✓ bending over
 - ✓ lying down
 - ✓ raised left hand
 - ✓ raised right hand
 - ✓ both hands raised

INNOVIA 2

INNOVIA 2 is a premium-class residential compound in Istanbul, popular for its modern amenities, extensive infrastructure, and convenient location. Covering 93,000 square meters, the complex features residential buildings, swimming pools, playgrounds, sports zones, retail spaces, and cafes. Maintaining a high level of service and safety for its residents and guests requires a robust and intelligent security system.

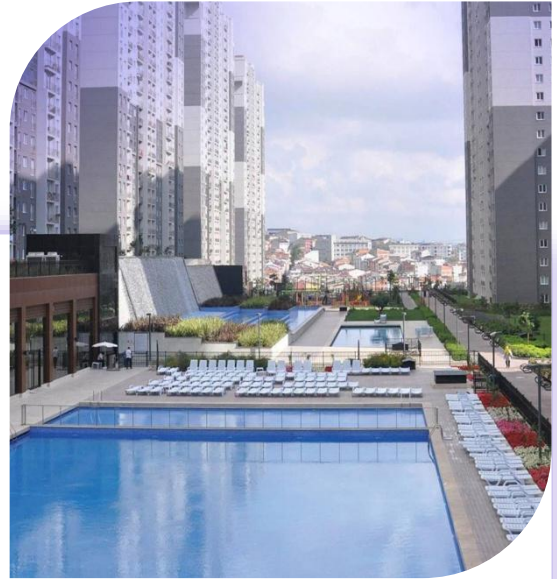
OBJECTIVES

- To ensure comprehensive 24/7 monitoring of the entire compound and its buildings.
- To implement a reliable security system that enhances resident safety without intruding on the luxury experience.
- To improve the efficiency of the security team by automating monitoring tasks and accelerating response times.

SOLUTION

A single, unified security system was deployed, integrating:

- **TRASSIR VMS:** The central video management software for controlling the entire system.
- **TRASSIR UltraStation:** High-performance servers for processing video data.
- **CCTV Cameras & analog DVRs:** A combination of modern and existing analog equipment was integrated into the hybrid system.
- **Neural Detectors:** To trigger automated alerts and recordings based on detection



ZORLU CENTER

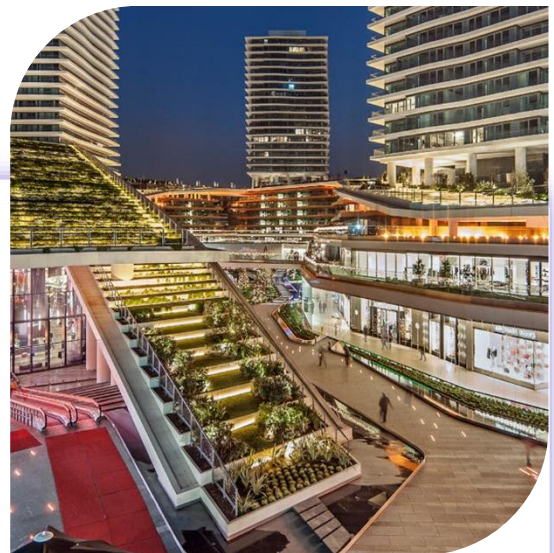
Zorlu Center is a premier multifunctional complex in Istanbul, combining retail, residence, office, hotel, and culture in one location. It features over 200 luxury brands and the largest green roof in Europe, requiring a sophisticated security solution to match its scale and prestige.

OBJECTIVES

- Control vehicle access to the center using license plate recognition.
- Prevent individuals with a history of theft from entering the mall.
- Integrate and improve the existing multi-brand camera system into a unified, efficient platform.

SOLUTION

- **TRASSIR VMS:** Centralized video management system.
- **NeuroStation 8800R Server:** High-performance processing unit.
- **28 × Neuro Detector modules:** AI-powered object and person detection.
- **7 × AutoTRASSIR LPR Modules:** Automated license plate recognition.
- Seamless integration of all existing third-party cameras without infrastructure replacement.



PREMIUM RESIDENTIAL ESTATE

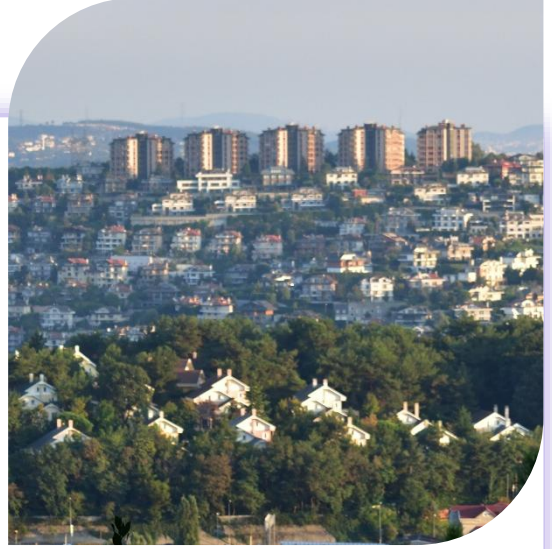
A premium residential estate in Johannesburg's Midrand area, known for its secure environment, sought to enhance perimeter security across its extensive grounds, monitored by 157 cameras.

OBJECTIVES

- Strengthen perimeter security by moving beyond traditional manual monitoring.
- Enable faster reaction times to security breaches and minimize human error.
- Implement a smart, cost-effective solution that works at scale across the existing camera network.

SOLUTION

- **TRASSIR Neuro Detector:** For intelligent, automated intrusion detection.
- **NeuroStation 8200R/32-S INT servers:** To bring a unified layer of AI analytics to the entire perimeter.



TRASSIR residential & commercial property projects



ESSENORA

DOWNTOWN



99,9%

IP-cameras
compatible with
TRASSIR ecosystem

80%

customers implement
video analytics after
pilot project

TRASSIR®



🌐 trassir.com

✉ welcome@trassir.com