Video Surveillance System for a premium residential complex

Residential and Commercial property

TRASSIR®

Turkey,
Istanbul

"DAP YAPI"

"DAP YAPI" is an innovative premium residential complex that provides its residents with a high level of service and security, as well as well-developed internal infrastructure.

Comprehensive customer security is our top priority. The above technical solution is indicated as a standard one.

Solution

• VMS TRASSIR;

• IP Cameras TRASSIR.

Project objectives

Amid the intense competition dominating the residential real estate market, the developers are all the more compelled to create added value for customers.

Unconventional design solutions integrating comprehensive infrastructure packages combined with a high standard of service have long ago become an inherent must for premium residential developments. Over the recent years, this 'musts' list has included the customers' steadily growing need for security.

Surveillance in the field

To achieve the customers goals, we installed a 24/7 CCTV system covering all the recreational, common, and garden areas.

IP cameras form a single VMS TRASSIR-based system, streaming the data to the compound's central control room, and the image is displayed on the video wall so the security team can respond fast to any incidents like spotting strangers, trespassers or non-permitted vehicles or other situations needing a response.

Outcome

By applying automated CCTV technology to solve routine tasks, we were able not only to make the property really safe for its residents, but also helped make the security services become appreciably more effective.

Video Surveillance System
for International Airport

Transportation and Warehousing

Kazakhstan, Almaty

Video Surveillance system for International Airport

Almaty International Airport is the largest airport in Kazakhstan and the busiest in all of Central Asia. There are up to 220 flights per day.

Project objectives

The airport security is a critical field of protecting most vulnerable assets of strategic importance with the management and operating teams are facing new challenges all the time due to the inherently high counter terrorism requirements.

Comprehensive customer security is our top priority. The technical solution indicated above is the standard solution.

Solution

- TRASSIR IP – a professional recording and visualization software;
- TRASSIR Face Recognition;
- TRASSIR Left Object Detector;
- TRASSIR ActiveDome – unique, high-speed reversing camera control modules;
- TRASSIR ActiveDome FIX – extra observation channel modules;
- TRASSIR Client network stations;
- TRASSIR NeuroStation.

Additional

- The large number of video recorders with video analytics support within a single facility;
- Organization of five network workplaces;
- Wide analytical tools for the security of a full cycle.

Surveillance in the field

To improve the airport's video surveillance system to comply with counter-terrorism regulations.

Outcome

- Wide functionality with an impressive balance of price and quality;
- Economy on back - end part;
- Deployment of the pilot on the object.

Video Surveillance System for the administrative building

Smart City

District Administration (Akimat) Building in Atyrau

The office of the Akim of Atyrau region provides guidance and control over the activities of the akimat and akim in Kazakhstan's unofficial oil capital.

Project objectives

The recent years saw the breakthrough in the video analytics domain. Systems have become able to spot scores of incidents (and to generate scores of incident alerts) they used to be able to spot and generate, and their capabilities and functions range are expanding consistently.

Solution

- IP-cameras with vandal-proof casing;
- TRASSIR DuoStation Pro NVR;
- TRASSIR Face Recognition;
- Sigur ACS, plus a Surveillance and E-Fit Facial Identification analytics module;
- TRASSIR Sigur software enables integration with the Sigur ACS.

Additional

- Integration with existing ACS;
- Innovative facial recognition technology;
- Minimizing "manual" operations and increasing security levels at the facility.

Kazakhstan, Atyrau

Surveillance in the field

To deploy the ACS and CCTV systems.

Outcome

- Easy work with the archive;
- Working with databases;
- Face detection from any angle.

Comprehensive customer security is our top priority. The technical solution indicated above is the standard solution.

Video Surveillance System for hypermarket chain

Retail and Horeca

ÖZdilek

An ÖZDİLEK supermarket

An ÖZDİLEK supermarket is the largest retailer in Turkey. Operating for 40 years, it combines 14 shopping centers, 7 supermarkets, 8 department stores, and more than 100 home textile stores.

Project objectives

A key function retail businesses tasked to software developers was to reduce store losses due to theft and human error.

> Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Solution

- TRASSIR Ultrastation;

- TRASSIR ActivePOS – automatically detects violations and immediately sends notifications to employees responsible for the site;
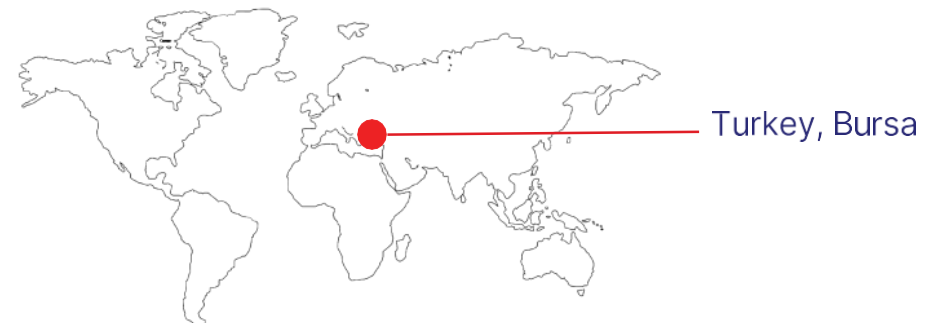
- TRASSIR IP cameras.

Additional

- Integration with existing ACS;

- Innovative facial recognition technology;

- Minimizes manual operations and increases security levels at the facility.

Surveillance in the field

To enable visibility via video surveillance system and to monitor/control checkout operations.

Outcome

- Security team responds faster to any violations or suspicious incidents;

- Decrease of losses.

Turkey, Bursa

Video Surveillance System for non-woven fabric factory

Manufacturing

North America,
Europe, Middle
East, Russia,

Eastern Europe,
India, China, Asia

Non-woven fabric factory

Single surveillance system based on all of the existing modules for an Israeli-based leader in the global manufacturing of market-leading, non-woven fabric solutions, supplying 33 countries worldwide from manufacturing sites in Israel, the United States, China, and Russia, with 68 outlets and factories all over the globe.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Project objectives

Major businesses covering extensive geographical area generally need a single corporate video surveillance solution to monitor all of a company's systems from the same control center with the ability to generate video analytics reports from all subsystems in a consolidated manner.

Solution

* TRASSIR Enterprise IP, professional software for major distribution of video surveillance systems.

Surveillance in the field

To create a single surveillance system using all the company's existing modules and develop a scalable system as the corporate standard.

Outcome

* Monitoring the entire subsystem's functionality and availability;

* Visualization capabilities and centralized licensing;

* Single authorization point and account details;

* Access to 100% of the surveillance system's resources.

TRASSIR®

Video Surveillance System
for the residential area

Smart City

TRASSIR

DOWNTOWN

Brazil,
Rio de Janeiro

DownTown Centro

DownTown Centro is a project of a unique scale consisting of 20 sectors hosting a variety of stores, coffee shops, bars, and restaurants. DownTown is a city within a city located within the heart of the country's second largest metroplex.

Solution

- TRASSIR AnyIP professional video recording and imaging software;
- LCD panels;
- IP cameras.

Additional

The system was fine-tuned to meet the customer's high standards and already contained analytics and convenient archiving capabilities, so the customer's extensive requirements for the system in terms of efficiency and convenience in use were met 100%.

Project objectives

Increasing safety of shopping malls in a country with a high crime rate is a key added value component for shoppers.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Surveillance in the field

To enable video surveillance monitoring for one of the center's sectors.

Outcome

- 24/7 monitoring of the premises;
- Automatization of routine tasks for the security team.

Video Surveillance System
for steel plant

Manufacturing

Çolakoğlu
Metalurji smelter

Çolakoğlu Metalurji smelter is a major steel industry manufacturer with more than 75 years of history. Extensive development and continuous investment in innovation has allowed the company to become a recognized industry leader, as well as to receive prestigious industry awards annually.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Project objectives

In the steel industry, it is crucial to comply with the strict occupational safety requirements as failure to respond rapidly can lead to injury and even death.

Solution

- TRASSIR IP cameras;
- NVRs;
- Control area with video wall.

Surveillance in the field

To ensure safe operation within steel processing shops and maintain perimeter security.

Outcome

All cameras installed at the smelter stream to the video wall located in the control area, and smart scenarios provide tools to respond to unauthorized visitors or other threats, as well as instances of occupational safety neglect.

Turkey,
Kocaeli Province

Video Surveillance System
for residential complex

Residential and Commercial property

Turkey, Istanbul

"INNOVIA 2"

INNOVIA 2 is a scenic premium-class, modern residential compound with its own infrastructure. Due to its convenient location and high level of service, the complex is popular among tourists visiting Istanbul.

Project objectives

The "INNOVA 2" luxury compound encompasses residential buildings and a wealth of infrastructure, covering an area of 93k square meters. It includes playgrounds, sports zones, beauty salons, coffee shops, supermarkets, and swimming pools.

Residents enjoy a high level of service that is hard to imagine in the modern world without security services and systems.

Outcome

- Single hybrid system;

- Improving the security team's efficiency using convenient archiving and retrieval, and quick response capabilities for certain scenarios triggered by automated alerts;

- Security staff and equipment respond to specific events without constant monitoring of video streams from an array of cameras.

Solution

- VMS TRASSIR;

- TRASSIR UltraStation;

- CCTV cameras;

- Analogue NVRs;

- SIMT movement detectors.

Surveillance in the field

To ensure 24/7 monitoring of the compound and its buildings.

We care about the safety of our customers. This solution is given as a typical one for the industry.

Video Surveillance System for a large retail chain

Retail and Horeca

Romania

Selgros Cash & Carry Romania

Selgros Cash & Carry Romania is a key Romanian retail chain and a leading national wholesale retailer. The chain is represented by 23 supermarkets across the country.

Project objectives

Airport security is a critical field for protecting vulnerable assets of strategic importance with management and operating teams constantlu facing new challenges due to inherently high counter terrorism requirements.

Solution

- AutoTRASSIR, a smart license plate recognition module;

- AZiGUARD security system;

- TRASSIR Neuro Detector module to detect both people and vehicles.

Additional

- Return on investment within 1 year;

- Control of vehicle access and anti theft gates;

- Monitoring and control of loading ramps;

- High quality security for perimeter protection;

- Tracking of relevant events based on set parameters;

- Identification of all vehicles parked or moving in parking lots or within warehouses by license plate number.

Surveillance in the field

To create a centralized monitoring system for all the chain's stores and adjacent areas.

Outcome

- A comprehensive solution to improve the existing sec urity and Access Control System;

- Reduction of security payroll;

- Minimization of financial losses caused by theft;

- An effective tool for marketing analysis.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Video Surveillance System for a large retail chain

Retail and Horeca

Auchan

Auchan

Auchan is a major retail chain in Romania with 33 supermarkets and employing roughly 11k people.

Solution
- VMS TRASSIR;
- ActivePOS checkout operations control module.

Additional
- Customization according to individual needs;
- High quality monitoring of all POS transactions;
- Warehouse access control.

Project objectives

TRASSIR systems' historical advantage is that they can be quickly and flexibly integrated with customers' existing systems. We have done a global review together with the customer in order to determine the main integration requirements.

Surveillance in the field

To build an integrated security system WMS comprising the TRASSIR ACS, anti car theft, LPR for access control at the warehouse, perimeter defender for the warehouse and fire safety systems, and the break-in prevention systems.

Outcome
- A complex solution using multiple platforms with a single control center;
- Unified reporting from all POS terminals identifies all employees who violated employee conduct regulations or otherwise acted unacceptably on store premises.

Romania

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Video Surveillance System
for construction materials distributor

Transportation and Warehousing

Romania

ARABESQUE

ARABESQUE is Romania's No. 1 construction solutions supplier and distributor with 38 points of sale and 21 warehouses at various locations within the country. The company has over 3 200 employees, and its logistics are carried out by a fleet of over 1 000 specialized trucks.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Project objectives

Enabling automated control of warehousing facilities in order to prevent theft and other errors in handling goods is a key task for any major company with an extensive network of warehouses.

Solution

- TRASSIR IP cameras;
- NVRs;
- Control area with video wall.

Surveillance in the field

To enable access control for individuals and vehicles and secure the perimeter.

Outcome

- Reducing security costs by more than 30;
- Quick archive search for violation incidents;
- Setting up incident alerts for the security service;
- Loading and unloading operation monitoring.

Video Surveillance System for the retail chain

Retail and Horeca

PROFI

PROFI is Romania's largest retail chain with more than 1 500 outlets across the country's cities, towns, and villages. The chain is represented with different sizes convenience stores.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Project objectives

Problems typically faced by retailers are theft, fraud, and salesforce errors. It is hard to imagine that modern retail business management could fail to understand the importance of video surveillance and security systems as tools for informing the company's profits.

Solution

- VMS TRASSIR.

Surveillance in the field

To enable migration of existing security systems to a unified platform in order to coordinate/align teams' operations.
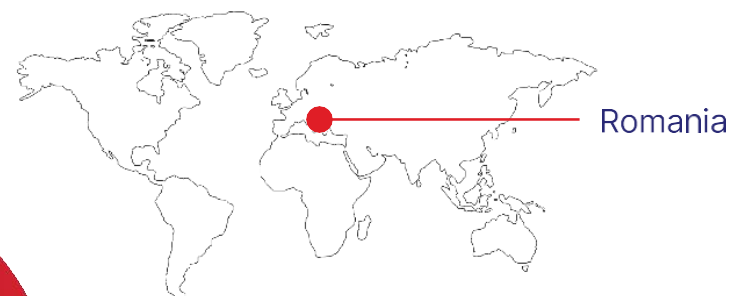
Outcome

- Combining existing systems into a complete, unified solution;

- Marketing analysis tools: visitor stream analysis, queue and shelf space utilization control;

- Unified VMS system for all the chain's stores.

Romania

Video Surveillance System for Cardboard production

Manufacturing

ROMCARTON

ROMCARTON is a major Easten European corrugated cardboard packaging mill with an area of nearly 35 000 square meters.

Solution

- VMS TRASSIR;
- AutoTRASSIR license plate recognition system;
- TRASSIR Neuro Detector module to detect both people and vehicles;
- TRASSIR Face Recognition.

Project objectives

All industrial businesses seek not only to ensure the security of their assets, but also to monitor production operations and compliance with occupational safety precautions and numerous other requirements.

It is important that in addition to monitoring and security functions, customers also have monitoring processes that are automated to the full possible extent to provide fast responses and extensive involvement of security personnel.

Surveillance in the field

To enable occupational safety and thoroughly monitor production operations.

Outcome

- Reduction of security payroll costs by approximately 25;
- Notification scenarios implemented;
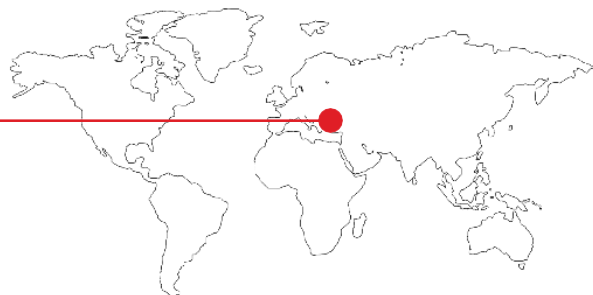- Minimization of false positives.

Additional

- 24/7 monitoring of all areas of interest;
- The overarching platform combines CCTV systems with the ACS;
- Analytical modules for object detection and facial recognition;
- Comprehensive.

Romania, Bucharest

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

TRASSIR Ensures Security of the Largest Residential Complex in Istanbul

Residential development

Turkey, Istanbul

Tema Istanbul, residential complex

Europe's largest ultramodern residential complex (1.5 million sq. m) designed to accommodate 16,000 people. It is promoted as an ambassador of new culture and lifestyle: its all-inclusive centre contains 3,530 apartments, a shopping mall, residences, parks, swimming pools, playgrounds, and service infrastructure.

Video surveillance in the industry

For residential complexes:

- Ensuring security on the territory and around its perimeter;
- Prevention of theft, vandalism, damage to equipment, vehicles;
- Prevention of fires, terrorist attacks;
- Control of access to the territory;
- Optimisation of parking management and usage;
- Control over staff performance;
- A video archive with long-term storage of video recordings can be used as an evidence base for identifying crimes and resolving conflicts.

Project objectives

- Implement a surveillance system that ensures total control over the territory and guarantees the safety of residents, visitors, and property. Scalable and provides 'health control' – a self-diagnostic tool for malfunctions that allow prompt correction;
- Optimise the staff and the security service duties;
- Provide checkpoint access control;
- Create a deep archive that stores the evidence base for the investigation of criminal or controversial situations.

Benefit

The customer is completely satisfied with the TRASSIR video surveillance system solution: full control over a territory exceeding 1.5 million sq. m and its perimeter, making the facility an unattractive site for robbers. TRASSIR SIMT intelligent tracking detectors ensured optimisation of security service staff and their duties. AutoTRASSIR at the checkpoint provided recognition of vehicle license plates, automatic entry/exit of vehicles. The TRASSIR Cloud self-diagnostic service reports malfunctions and other problems making it possible to fix them quickly. An archive of video recordings is stored in the cloud. The base of collected evidence makes it easy to find offenders and perpetrators of property damage. Video surveillance increased staff discipline and labor productivity at the complex. The system is scalable, making it possible to extend and increase the number of controlled zones. The number of channels will soon reach 800, and Tema Istanbul will become the largest and safest residential complex in Turkey.

Solution

We have implemented an uninterrupted video surveillance system with TRASSIR Cloud self-diagnostic services, a 'deep' cloud archive. The system reduces the workload of security services, is scalable, and allows for capacity increase. Equipment used:

- IP cameras
- TRASSIR SIMT – multifunctional motion detector and tracker
- AutoTRASSIR analytical module
- TRASSIR Cloud self-diagnostic service
- TRASSIR Cloud archive

TRASSIR Ensured Security at KIA Motors Dealership in Colombia

Business/car dealership

TRASSIR

KIA MOTORS

Kia Corporation is a South Korean automotive company, the second largest car-maker in the Republic of Korea and seventh worldwide. It is part of the Hyundai Motor Group.

Surveillance in the field

- Ensuring security on the territory and around the perimeter;
- Prevention of theft and damage to equipment;
- POS control;
- Prevention of abnormal situations, collection of evidence base on incidents.

Project tasks

The customer has projected a digital transformation in sales at the dealership using AI functions to provide clearer audience segmentation and transfer clients from 'cold' to 'hot' based on data collected about their behaviours and preferences. Video analytics modules by TRASSIR will provide:

- Counting unique visitors and facial recognition;
- Analysing client demographic profiles;
- Recording time of staff arrival;
- Visualising a heat map of car showrooms;
- A deep archive for searching and collecting evidence on incidents.

Solution

- TRASSIR Face Recognition module detects and recognizes faces;
- TRASSIR Face Analytics – a face analysis module that counts unique visitors;
- TRASSIR Face Detector module creates a demographic profile for each client;
- TRASSIR People Counter module counts visitors and conversions;
- TRASSIR ActivePOS counts conversions;
- TRASSIR Heat Maps module – thermal video analytics of traffic;
- TRASSIR Staff Tracker module monitors the efficiency of employees and their focus on clients;
- Workplace Detector module detects employee arrival time and absences.

Outcome

The introduction of TRASSIR video surveillance provided complete 24/7 security at the dealership, reduced losses from theft, fraud, and damage to equipment. Available remote staff audit. Video analytics boosted sales. AI has proven to be an effective tool for analysing client preferences and motivating them toward purchases. Deep archive with quick search by incident stores the evidence base for investigating abnormal situations. The pilot project was successful and marked the beginning of a long-term collaboration with KIA Motors, bringing TRASSIR both profits and reputational benefits.

Colombia, Bogotá

We care about the safety of our customers. This solution given is a typical one for this field.

TRASSIR

TRASSIR Improves Service in Fast Food Restaurant

Fast food restaurants

TRASSIR

Best Burger in Town fast food chain

Rapidly developing, ambitious fast-food restaurant chain Best Burger in Town (BBT) specializing in burgers for takeout.

Project objectives

To integrate a new CCTV system with the customer's existing POS system, including

- Implementing four drive-through lines with vehicle and licence plate recognition in the order area, pickup area, and parking area for distributing completed orders;

- Securing the parking area;

- Counting visitors;

- Monitoring anti-epidemic measures.

Surveillance in the field

- Security of the premises and perimeter;

- Monitoring staff productivity and occupational safety compliance, anti-epidemic measures;

- Preventing theft, equipment damage, checkout fraud;

- Compliance with cooking technology use;

- Investigating disputes.

Solution

We implemented a system of four drive-through lines optimising queue management and reducing waiting time.

- 4 TR-D2253WDZIR7 cameras;

- TRASSIR Neurostation Compact RE network video recorder;

- AutoTRASSIR – an automatic license plate recognition module;

- TRASSIR Neuro Detector – object detection and classification based on neural networks;

- TRASSIR Neuro Counter – a neural network-based object counter.

Outcome

A new video surveillance system integrated with the customer's existing POS system has been implemented. It recognises license plates from the State of Kuwait, provides analytics on returning customers and target audience, and prospects for new loyalty programmes. 24/7 surveillance enables monitoring of compliance with anti-epidemic measures and cooking technology use, quick dispute resolution, and security. As a result, waiting time for orders was reduced by 30%, the number of mistaken order deliveries fell to zero, and both client loyalty and quantity increased. The customer is completely satisfied with the solution.

TRASSIR worked with Blatean Security Solutions to ensure security at the Kuwait National Guard Training Center

Training centres, military

Kuwait National Guard – Educational center

الحـرس الوطني الكويتي
Kuwait National Guard

Kuwait National Guard Training Centre – an independent military institution designed to protect Kuwait.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Project objectives

To improve the reliability and quality of the video surveillance system at Guard Training Centre with minimal costs: integrate TRASSIR equipment with cameras (partially outdated, analogue) and DVR by Commax brand, thereby preserving the working equipment but at the same time modernising and scaling the existing structure.

Surveillance in the field

- Safety of health and life of all visitors of the training centre;
- Prevention of terrorism, fights, hooliganism, distribution of drugs, alcohol;
- The safety of the property of the training centre and trainees against thefts, fires, vandalism.

Solution

Modern cameras and recorders by TRASSIR are integrated with Commax cameras and DVR system previously installed by the customer.

Outcome

All the tasks assigned to the video surveillance system have been accomplished. Modernisation costs are minimised due to successful integration of modern equipment by TRASSIR with a system previously installed by the customer, including partially outdated cameras and DVRs of Commax brand. TRASSIR met the challenge that turned out to be incapable for competitors. The customer's existing video surveillance system has been updated and scaled with minimal investment.

Kuwait,
Kuwait City

TRASSIR Improves Quality of Service in a Fast Food Restaurant

Fast food restaurants

TRASSIR

Tabco food Object: Elevation Burger restaurant

American fast food restaurant chain specialising in organic hamburgers. Over 40 branches in the US, Bahrain, Kuwait and Qatar.

> Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

Kuwait, Hawalli

Project objectives

Implement a CCTV system integrated with the customer's checkout system with feature set including:

- Implementation of a drive-thru system with vehicle and license plate recognition in the ordering, pickup, and parking areas for handing over completed orders;

- Securing the parking area;

- Counting visitors;

- Monitoring anti-epidemic measures.

Surveillance in the field

- Site and perimeter security;

- Monitoring workforce productivity and safety, anti-epidemic measures;

- Preventing theft, equipment damage, checkout fraud;

- Compliance with cooking technology use Investigating disputes.

Solution

- TRASSIR Neurostation Compact RE network video recorder;

- TRASSIR outdoor IP cameras;

- AutoTRASSIR – an automatic licence plate recognition module;

- TRASSIR Neuro Detector – object detection and classification based on neural networks;

- TRASSIR Neuro Counter – a neural network based object counter.

Outcome

The CCTV system was trained to recognise license plates from the Republic of Kuwait and integrated with a checkout system. Quick vehicle identification increased service speed. 24/7 surveillance enabled monitoring compliance with anti-epidemic measures and cooking technology use, quickly resolving disputes and ensuring security. The customer is satisfied with the solution and intends to expand the system for managing parking and analyzing visitor traffic.

TRASSIR ensured safety
for the National Bank of Tajikistan

Banks

TRASSIR®

БОНКИ
МИЛЛИИ
ТОҶИКИСТОН

National Bank of Tajikistan

The Central Bank of the Republic of Tajikistan acts as a state bank, storing and managing foreign exchange reserves and licenses. It also supervises and regulates the activities of other banks and non-banking financial institutions.

Project objectives

Equipping the bank's offices across the country with a reliable centralised video surveillance system with high fault tolerance and a deep archive for data storage compatible with software and equipment from third-party manufacturers, easily scalable with the possibility of gradual expansion. Providing monitoring of technological processes to improve the quality of service, monitoring employee conduct, and occupational safety.

Surveillance in the INDUSTRY

- Ensuring the safety of bank and visitor property, including ATMs;

- Monitoring places of receipt, disbursement, counting and storage of money to identify threats and provide prompt response;

- Collecting and storing video evidence for analysis in emergencies;

- Quality control of service, employee conduct, occupational safety.

Solution

TRASSIR has implemented its video surveillance system to integrate video surveillance in distributed Bank offices. The system is centralised, error-free, fault-tolerant, easy to operate and maintain, has a user-friendly interface and software seamlessly integrated with customer equipment, with options for scaling and gradual capacity increase.

An archive for long-term, secure information storage. We used:

- 700 IP cameras by various vendors;

- 6 units of UltraStation 16/10 SE TRASSIR IP recorder.

Republic of Tajikistan, Dushanbe

Outcome

TRASSIR centralised video surveillance system with high fault tolerance and a 127.33TB archive for storing data effectively targeted all established objectives. The head of the Security Service is confident that the video surveillance system is failure-free, and all data is stored in an extremely secure place.

UltraStation 16/10 TRASSIR IP recorder supporting RAID 5 disk array technology and HotSwap offers the guarantee of complete security. Monitoring staff to assess compliance with service quality standards is now possible. The customer is satisfied and plans to equip all new offices with TRASSIR video surveillance systems.

Comprehensive customer security is our top priority. The above technical solution is indicated as the standard.

TRASSIR

TRASSIR Ensured Security at Oil and Alcohol Storage Facility in Paraguay

Oil and alcohol storage facility

Terminales y Logística Portuaria SA: TLP

Terminales y Logística Portuaria SA (TLP) is engaged in the transportation, delivery, storage and shipment of oil, alcohol and vegetable oil in Paraguay. It is a high-risk site that needs extreme measures to ensure its safety.

Surveillance in the industry

Ensuring security onsite and perimeter-wise for equipment and vehicles, staff and visitors involving round-the-clock visual monitoring and monitoring of events in real time and archival data analysis.

Monitoring compliance with safety regulations and labour discipline.

Paraguay, Asuncion

Project objectives

To ensure an integrated approach aimed at both safety of work processes and processing and storing incoming data:

• Perimeter security and onsite security control shall be implemented through a single online surveillance system integrating existing equipment;

• To introduce technologies for recognisingtruck license plates, state registration numbers are automatically entered into a special record-keeping system;

• Create remote access for operators, including mobile clients.

Outcome

Customer received an easy-to-implement and cost-effective solution ensuring the most reliable protection of a high-risk facility as well as the information from the cameras itself. The TRASSIR video surveillance system monitors the security of the facility according to a certain schedule both in real time and using archived data. A number plate recognition system has been implemented, automatic access to the territory has been organised. Remote access has been provided for operators, a mobile client has been developed to view cameras using mobile phone outside the workplace. In case of risky situations TLP employees receive system alerts in Telegram messenger. In the future TLP plans to use the obtained information arrays to study the capacity of terminals and create a detailed database of trucks potentially applicable in other systems of the company.

Solution

Together with its regional partner INOVASI S.R.L, TRASSIR has created a professional video surveillance management system (VMS). Network video recorders and IP cameras of another vendors have been integrated into our NVR.

We used:

• 3rd party NVRs integrated into TRASSIR NVR;

• IP cameras of various vendors and TRASSIR;

• AutoTRASSIR intelligent license plate recognition module.

TRASSIR Neuro Detection Technology Secures Bin Nabhan Mosque in Kuwait

Public institution, religious centre

Bin Nabhan mosque

The Bin Nabhan mosque was founded in 1871 by Ibrahim Nabhan. It is a well-preserved architectural monument, a centre of tourism and pilgrimage for believers.

Outcome

Full monitoring of the territory and perimeter of the mosque, including parking areas. Outdoor cameras detect gatherings of guests near the walls and on neighbouring streets. Special monitoring of restricted areas and sacred sites. Neuroanalytics reduces false triggering and notifies intrusion into a restricted area. The health, life and peace of mind of clerics and visitors, the property of the mosque and worshipers are protected. The face recognition feature detects undesirable and dangerous visitors at the entrance. The customer is satisfied with the solution, helping the further expansion of TRASSIR CCTV systems in Kuwait.

> We care about the safety of our customers.
> This solution is given as a typical one for the field.

Surveillance in the field

Kuwait has very high security demands, so the choice of TRASSIR CCTV systems is certainly a victory for the company in the global market.

Religious public organisations require:

- The safety of all visitors and staff at the mosque: protection from terrorism, vandalism, anti-social behaviour;
- Securing the property of worshipers and staff at the mosque.

Kuwait, Kuwait City

Solution

24/7, uninterrupted, easy-to-operate and maintain CCTV system with a user-friendly interface and software

Equipment used:

- TRASSIR Mini NVR AF 16;
- TR-D4D2v2/TR-D4B6 cameras;
- TRASSIR Neuro Detector;
- TRASSIR NeuroStation Compact RE neural network-based IP video recorder.

Project tasks

- Securing the site of the mosque, including parking areas, by using a reliable, fail-safe 24/7 CCTV system with a user friendly and easy-to-learn interface;
- Tighter monitoring of restricted areas;
- Detection of blacklisted persons at the entrance to prevent entry into the mosque.