

A photograph of an industrial plant, possibly a refinery or chemical processing facility. The scene is dominated by tall, cylindrical chimneys and a complex network of pipes and metal structures. A large crane is visible in the middle ground. In the background, there are several buildings, including one with a distinctive red and white striped tower. The sky is blue with some clouds. The foreground shows a grassy area and a metal fence with a gate labeled '1470'.

TRASSIR[®]

TRASSIR Solutions for Industry

Ready-made CCTV solutions
for the industrial sector

The TRASSIR brand was created to bring high-tech CCTV systems to the market. The brand combines professional video processing equipment (cameras, servers, analytics modules) and neural network-based software. TRASSIR analytics modules are used for monitoring and providing access, perimeter monitoring, dangerous areas and wearing of protective clothing monitoring.

22 YEARS

Experience in CCTV surveillance

25,000+

Loyal customers worldwide

800+

Qualified staff

50+

Countries with integration of TRASSIR solutions



All solutions are divided into 4 large blocks

1 Manufacturing efficiency

- Counting bags, boxes or similar objects on a conveyor
- ArUco marker detector
- Monitoring warehouse operations in a finished goods warehouse
- Tracking and monitoring staff working hours
- Tracking and monitoring the presence of staff in the work area

2 Protection from external factors

- Licence plate recognition
- Employee face recognition
- Access control system in conjunction with face and licence plate recognition
- Access control system based on card and employee face recognition (two-factor authentication)
- Detecting intrusion into a restricted area by an unauthorised person, vehicle or bicycle
- Video surveillance on large areas
- 'Smart Checkpoint' solution

3 Internal security

- Monitoring wearing of helmets
- Monitoring wearing of protective clothing
- Monitoring mask wearing
- Detecting employee recumbent posture
- Preventing people from being in the wrong or dangerous area
- Preventing theft in collusion with a security guard

4 Performance of technical departments

- Smoke detection
- Fire detection

1 Manufacturing Efficiency

Solution	Technology	Your benefits
Counting bags, boxes or similar objects on a conveyor	Bag Counter – an analytics module that enables counting similar items moving along a conveyor	<ul style="list-style-type: none"> • Accurate product counting • Theft prevention • Preventing errors when shipping goods
ArUco marker detector	ArUco Detector – a module for recognising augmented reality markers (ArUco codes) applied on items	<ul style="list-style-type: none"> • Quick dispute resolution at the warehouse • Quick search for incidents by events • Easy determination of accountability for a product
Monitoring warehouse operations	ActiveStock – a module for event-based video monitoring of warehouse operations	<ul style="list-style-type: none"> • Accurate product counting • Quick search for the desired product • Preventing supply errors
Tracking and monitoring staff working hours	Workplace Detector – a module that enables monitoring the presence of staff at the workplace	<ul style="list-style-type: none"> • Monitoring schedule compliance • Monitoring compliance with man-hours at the manufacturing site • Notification when tolerance is exceeded
Tracking and monitoring the presence of staff in the work area	Neuro Detector – a neural network module that enables detecting intrusion and presence of a person in a certain area	<ul style="list-style-type: none"> • Monitoring presence in a critical area • Monitoring the crossing of a given line • Monitoring dangerous machinery operators

2 Protection from External Factors

Solution	Technology	Your benefits
Licence plate recognition	AutoTRASSIR – a module designed for automatic recognition of vehicle licence plates in the field of view of the video camera	<ul style="list-style-type: none"> Increasing, monitoring and forecasting checkpoint capacity Automatic recording of the time of entry and exit of vehicles
Employee face recognition	Face Recognition – a TRASSIR software module for recognising and searching people based on a pre-configured face database	<ul style="list-style-type: none"> Accurate identification of an employee by their face Automatic checking whether a person is white-or black-listed
Access control system in conjunction with face and licence plate recognition Access control system based on card and employee face recognition (two-factor authentication)	TRASSIR ACS – an access control and management system based on the TRASSIR platform	<ul style="list-style-type: none"> Fewer manual labour errors Fewer guards Preventing theft in collusion with a security guard
Detecting intrusion into a restricted area by an unauthorised person, vehicle or bicycle	Neuro Detector – a neural network module that enables detecting intrusion and presence of a person in a certain area	<ul style="list-style-type: none"> Automatic intrusion detection
Video surveillance of large areas	ActiveDome – a TRASSIR PTZ camera manual control module (SpeedDome)	<ul style="list-style-type: none"> Fewer cameras Precise selection of the video surveillance focal area Flexible solution with a customisation feature
'Smart Checkpoint' solution	Smart Checkpoint – ready-made solution for comprehensive checkpoint automation	<ul style="list-style-type: none"> Full checkpoint and parking automation A ready-made set of products for solving the task

3 Internal Security

Solution	Technology	Your benefits
Monitoring wearing of helmets	HardHat Detector – a module that enables determining whether a person is wearing a helmet	<ul style="list-style-type: none"> • Accurate monitoring of compliance with safety regulations • Fewer occupational injuries • Lower risk of fines and compensation
Monitoring wearing of protective clothing	Wear Detector – a module that enables determining whether a person is wearing protective clothing or a uniform (by colour)	<ul style="list-style-type: none"> • Accurate monitoring of compliance with safety regulations • Fewer occupational injuries • Lower risk of fines and compensation
Monitoring mask wearing	Face Mask Detector – a module that monitors the wearing of protective masks in public places	<ul style="list-style-type: none"> • Accurate monitoring of compliance with safety regulations • Fewer occupational injuries • Lower risk of fines and compensation
Detecting employee recumbent posture	Pose Detector – a neural network-based module for analysing a person's posture	<ul style="list-style-type: none"> • Rapid detection of a person in case of an emergency • Capacity to promptly provide first aid • Reducing the severity of the consequences of the injury
Preventing people from being in the wrong or dangerous area	Neuro Detector – a neural network module that enables detecting intrusion and presence of a person in a certain area	<ul style="list-style-type: none"> • Automatic intrusion detection • Faster response
Preventing theft in collusion with a security guard	AutoTRASSIR – a module designed for automatic recognition of vehicle licence plates in the field of view of the video camera	<ul style="list-style-type: none"> • Preventing departure without check weighing and inspection • Automatic recording of the time of entry and exit of vehicles

4 Performance of Technical Departments

Solution	Technology	Your benefits
Smoke detection	TRASSIR Smoke – a smoke detector in the field of view of the video camera	<ul style="list-style-type: none"> • An additional way of ensuring fire safety • Additional opportunity to take preventive measures
Fire detection	TRASSIR Fire – a fire detector in the field of view of the video camera	<ul style="list-style-type: none"> • An additional way of ensuring fire safety • Additional opportunity to take preventive measures



Our clients





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