

**TRASSIR<sup>®</sup>**

# TRASSIR today



Experience in CCTV  
surveillance

**SINCE 2002**

**15 000 +**

loyal customers around  
the globe

**3**

R&D centers



**50**

countries with TRASSIR  
installations

# Why TRASSIR?



## Compatible with 99% of cameras

NVRs and analytics are compatible with 99,9% of IP-Cameras. Connection options include:

- Native integration (manufacturer protocol)
- ONVIF
- RTSP connectivity

## Pre-sale demo and training

Our engineers demonstrate system functions and conduct training sessions and webinars

## Highly customizable

Complete customization for specific projects using rules and Python scripts

## Technical project supervision

Dedicated technical manager on project base

## Easy predictable TCO

Lifetime licensing, firmware updates, free technical support

## Turnkey solutions

Complete end-to-end video surveillance systems of any size

# Privacy, personal information and data protection



Client-server architecture with flexible configuration of access rights for owner, administrators, operators, managers.



Archive can be encrypted. Only password owner can get access to it.

All network connections including video streams transferring are protected with SSL and TLS protocols.



# Wide range of solutions for various industries



BANKING

WAREHOUSES

HORECA

EDUCATION  
INSTITUTIONS

RETAIL

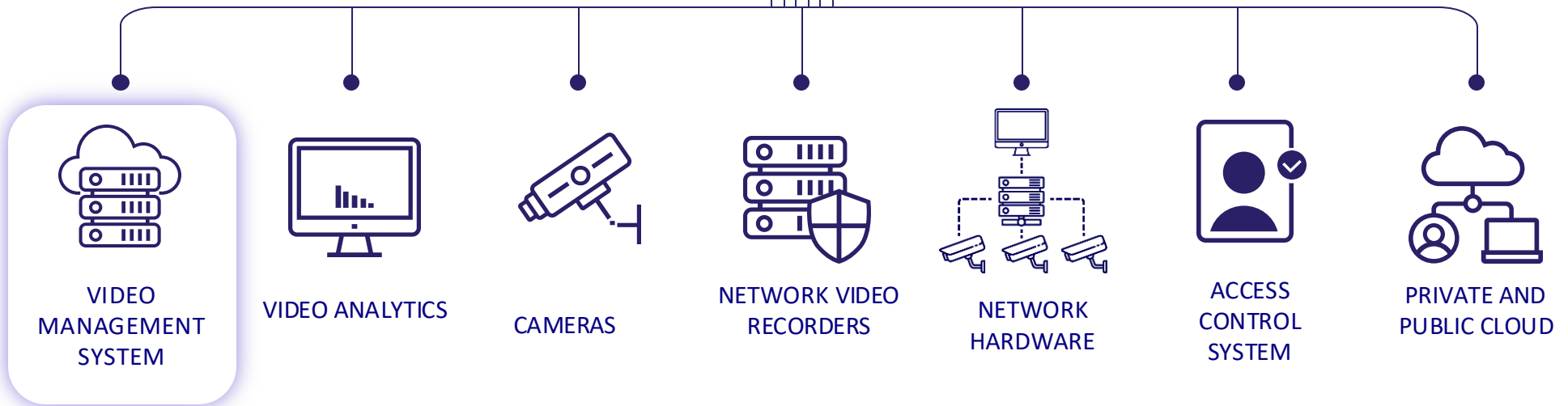
MANUFACTURING  
ENTERPRISES

SMART  
CITIES





7in1



NEURAL NETWORKS

ARTIFICIAL INTELLIGENCE

MACHINE LEARNING



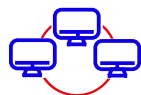
## Stable software to manage the monitoring and video surveillance system for businesses of any size

- Internal scripting system with nearly unlimited system automation capabilities
- Convenient and adaptive interface that can be customized to fit tasks
- Configure devices, cameras, and video recorders in the TRASSIR interface
- Flexible user rights management system
- Integration with access control systems, security and fire alarm systems, intercom etc
- Simultaneous video recording on multiple hard drives
- Record, export, and view streams in multithreading mode
- Interactive maps
- Send push notifications to email, Telegram, Mobile application and TRASSIR Cloud
- Failover
- Compatible with 99% of IP cameras on the market: ONVIF, RTSP supported
- Automatic performance monitoring
- Easy access via client apps for web, desktop and mobile
- SDK for integration with other systems
- Archive and stream encryption

## TRASSIR VMS advanced features



TRASSIR OS on TRASSIR servers: video surveillance server performance and security



TRASSIR CMS: extensive video surveillance system management solution for large scale projects



Video analytics processing on GPU for maximum return on investment



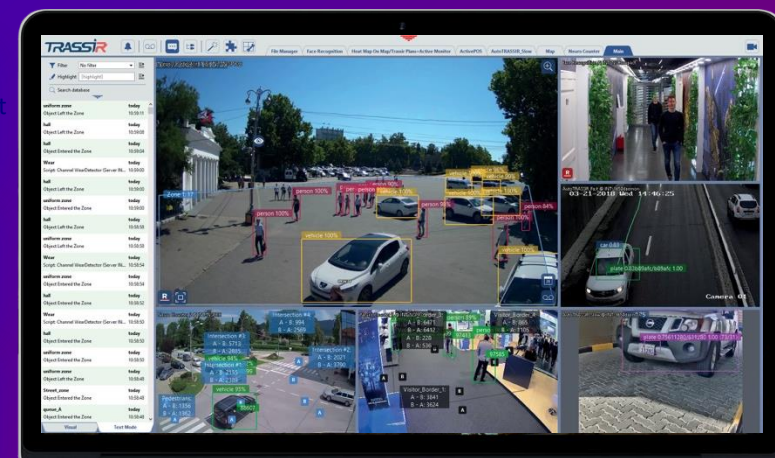
Efficient and quick search for events in the archive



Advanced neural network video analytics



VMS on Windows/Debian self-assembled servers



# VMS core licenses



TRASSIR VMS functionality is available under channel licenses

	AnyIP INT	AnyIP PRO INT	Enterprise IP INT	AnyIP win64 INT	AnyIP PRO win64 INT	Enterprise IP win64 INT
Connecting one camera	+	+	+	+	+	+
Pre-installed TRASSIR VMS on a TRASSIR OS Server	+	+	+	-	-	-
TRASSIR VMS installation on a Windows OS Server	-	-	-	+	+	+
TRASSIR VMS: video surveillance; video wall; video archive; situation center; maps; system monitoring; user management; API; scripts; etc.	+	+	+	+	+	+
Web interface and mobile version (when connected to TRASSIR Cloud)	+	+	+	+	+	+
Built-in VMS detectors: motion; sound; sabotage; heat map	+	+	+	+	+	+
TRASSIR CMS: private cloud functionality; web-interface working locally; unified user management, LDAP; solving the problem of narrow Internet channels; centralized monitoring and reports; connecting any number of servers and cameras; etc.	-	+	+	-	+	+
TRASSIR License Manager: centralized license management	-	-	+	-	-	+
TRASSIR VMS installation on a Linux-based server (Debian)	-	-	+	-	-	-
Connecting PTZ cameras, FishEye cameras, thermal imaging cameras	P	P	P	P	P	P
Neuro Detector - detects people on video with very high accuracy and generates an alarm and sends out an alert when a person enters the specific area	P	P	P	-	-	-
Intercom integration	P	P	P	P	P	P
Analytics HW - setting up hardware video analytics (intrusion; line crossing; loitering; etc) built into video cameras	P	P	P	P	P	P

P – stands for PROMO, all features with letter P are included for no additional cost in any single core license.



# Extended your VMS functionality with following features



## **TRASSIR NETSYNC INT**

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Archive synchronization  
from other TRASSIR servers



## **TRASSIR ACS**

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Access Control and Management  
System on the TRASSIR platform.



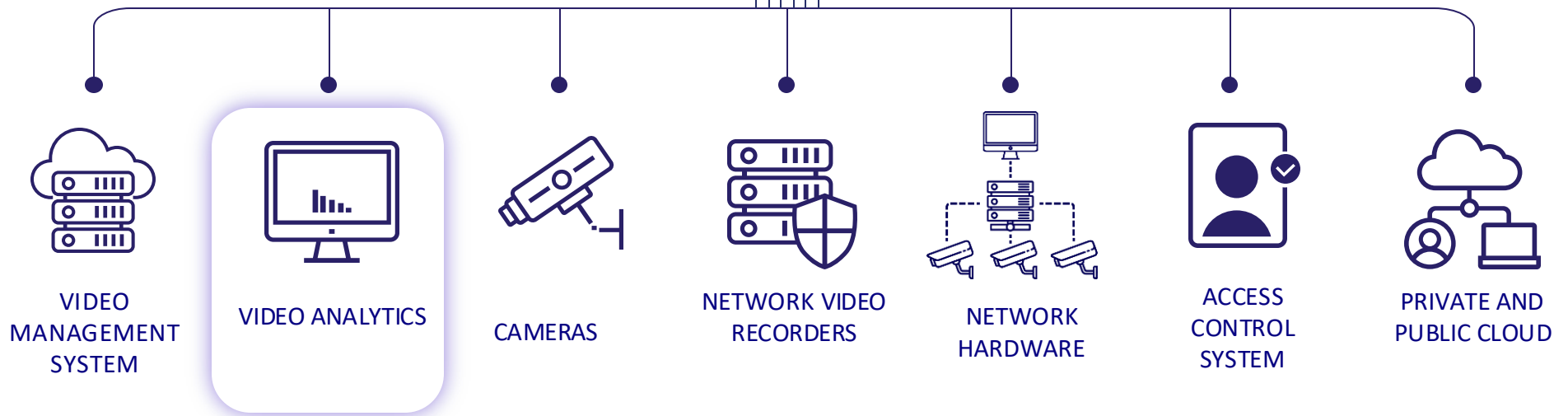
## **Integrations with ACS and Fire Alarm systems**

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Integration with 3rd party ACS  
and Fire alarm systems (for the  
available integrations ask your  
manager)



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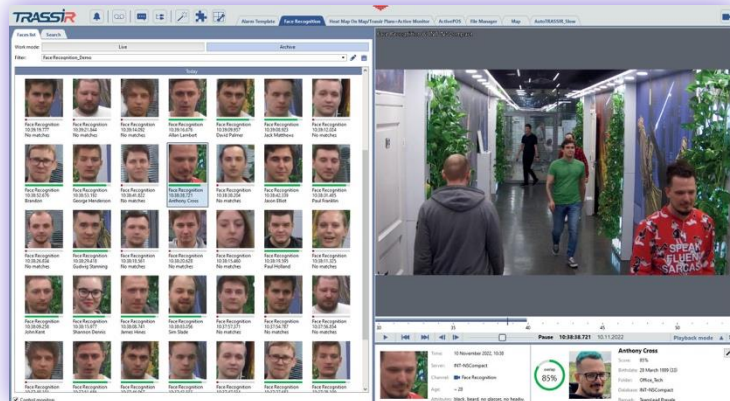
# Software Video Analytics



## Face Recognition Complex Solutions



### Face Recognition INT



Intelligent face recognition and search module using a pre-configured database of people (residents, staff, etc.).

- 99,8% accuracy
- Prevent access of undesirable people to the facility
- Enables obtainment of facial attributes for advanced analytics and searches based on specific parameters (race, age, sex, hair colour, beard, glasses, headwear, etc)
- Intergration with ACS
- Attendance and shift monitoring

Win64 available | Per channel



### Blurred Face INT



The functionality allows to blur people's faces when exporting video from the archive.  
One license for 1 server.

Per server

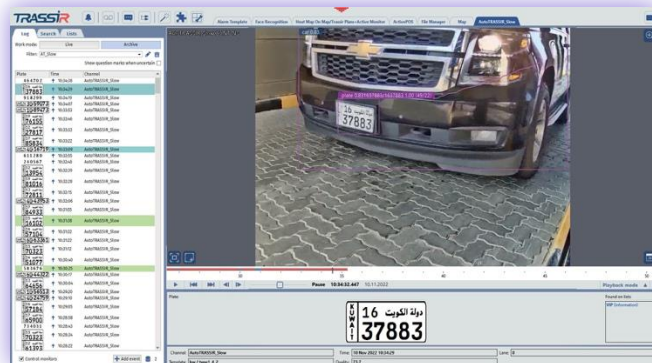
# Software Video Analytics



## AutoTRASSIR (LPR) Complex Solutions



### AutoTRASSIR+ INT



Is designed to automatically recognize license plates in the camera's view

- Highly accurate license plate recognition
- Identifies vehicle class: motorcycle, passenger car, minivan/van, truck,
- Recognizes two-line numbers
- 26 countries supported
- Quick search of license plate numbers in archive
- Real time ban\white listed vehicle identification and notifications
- Integration with camera-based LPR cameras (ask your manager for

Per channel



### AutoTRASSIR Parking INT



Is designed to monitoring the number of vehicles in the parking area

- Records cars entering and leaving the parking lot, saving the vehicle number, photo, and the exact time of entry and exit;
- Calculates the length of time vehicles stay in the parking lot;
- Displays information about the current parking status and history of vehicles on the operator's screen.
- Based on the received data, TRASSIR Parking generates a list of vehicles with the exact time and date of entry/exit of the vehicle.

Win64 available | Per channel

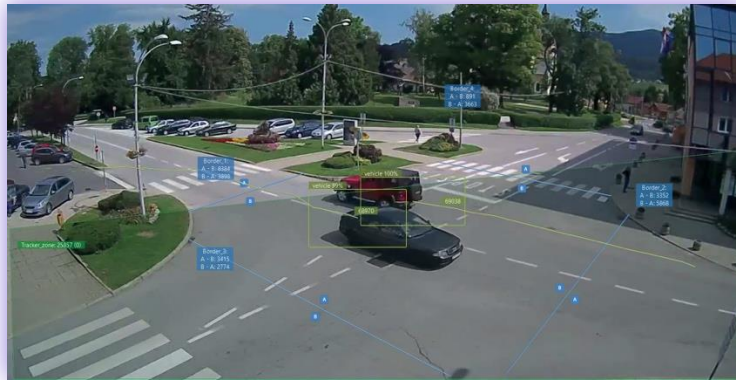
# Software Video Analytics



## People and Objects Detection Solutions



### Neuro Counter+ INT



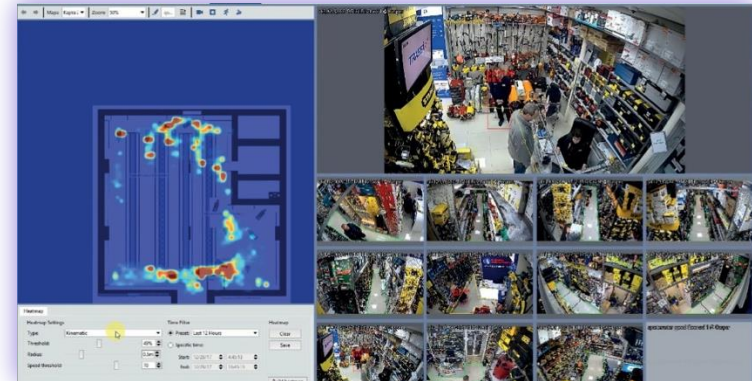
Is an intelligent video detector that provides counting of unique objects in a specified area

- Counts people, cars and bicycles with high accuracy
- Counts objects crossing a designated line - up to 16 lines per channel can be supported simultaneously
- Includes detection of any movement toward prohibited areas by people, cars, or bicycles
- Automatic reporting on number of objects counted
- Monitor the distance between people in public places

Per channel



### Heat Map on Map INT



Advanced tracking analysis technology showed on an uploaded Map Kinetic map - shows areas with high human traffic flow

- Stationary map - shows areas where people are more likely to stop
- Trajectories - approximate movement directions on the map

Per channel



# Software Video Analytics



## People and Objects Detection Solutions



### Queue Detector+ INT



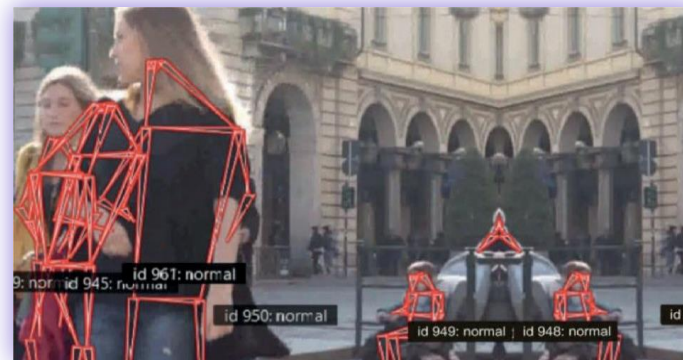
Is an intelligent video analytics system using neural networks designed to count people in a queue

- Automatic reporting: number of people in the queue, time spent in the queue
- Notification module for when queue length is exceeded

Per channel



### Pose Detector INT



Detects and classifies people's postures. For instance, it can help identify and track unusual behavior

Currently supports recognition for the following set of poses:

- |                |                    |                     |
|----------------|--------------------|---------------------|
| ✓ sitting      | ✓ lying down       | ✓ raised right hand |
| ✓ bending over | ✓ raised left hand | ✓ both hands raised |

The detector can be trained to recognize other poses if necessary

Per channel

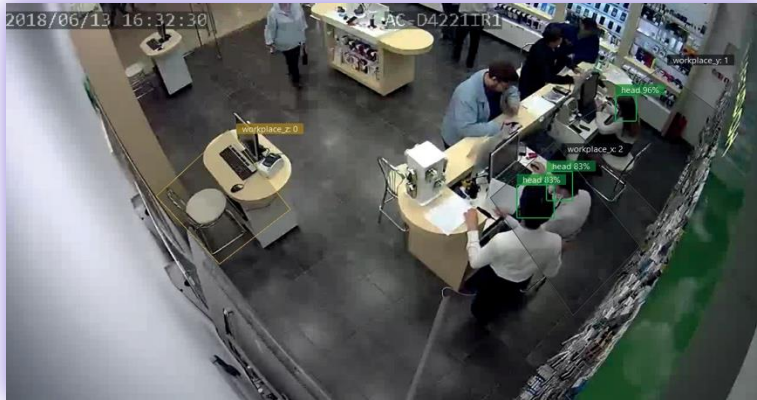
# Software Video Analytics



## Work Safety Solutions



### Workplace Detector INT



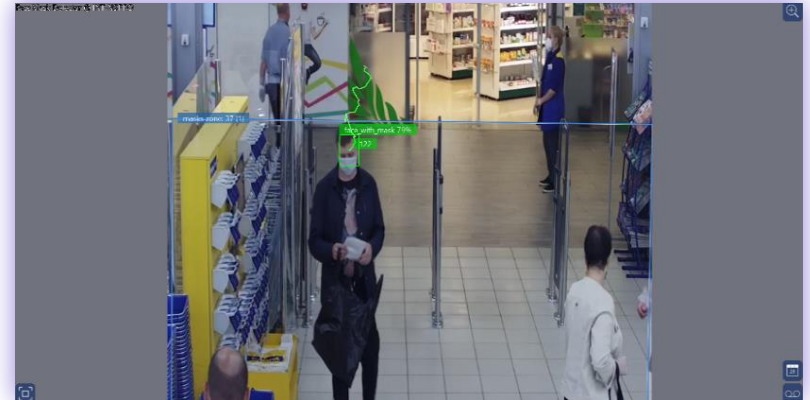
Tracks a person's absence from the workplace

- Alarm notification in cases of worker absence
- Daily reporting on employee's real time on- and off-site

Per channel



### Face Mask Detector INT



- Monitors compliance with the wearing of personal protective equipment in conditions of increased epidemiological danger
- Sends a real-time notification if a person is detected without a protective mask in the viewing area of the video camera.

Per channel



# Software Video Analytics



## Work Safety Solutions



### Neuro Fire & Smoke Detector INT



The module allows to:

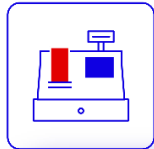
- Detect flames and smoke in the camera's visibility zone, including open spaces
- Set and receive an immediate notifications in operator's interface to properly react on it

Per channel

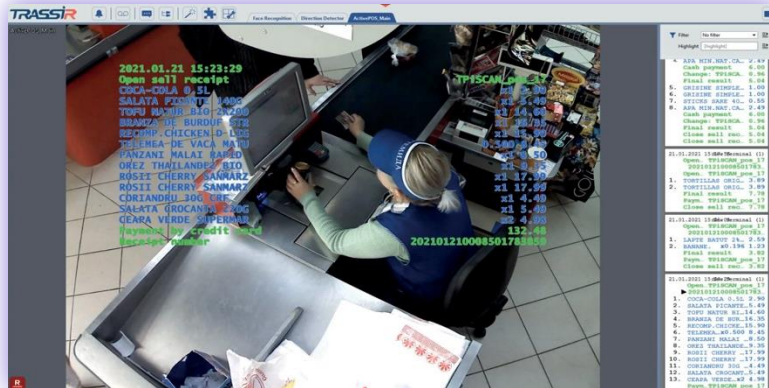
# Software Video Analytics



## Retail Solutions and Warehouse Solutions



### ActivePOS+ INT



#### Intelligent cash control module

- Helps decrease both planned and unplanned POS losses
- includes more than 60 predefined incidents of loss scenarios. These include: cashier fraud, cashier error (unintentional losses), detection of sub-par service standards, violations cash management services regulations (determined by law). Generates reports on: total losses (divided by cashier or cashbox), cashier and analyst KPIs. Requires an integration with third party POS systems.

Win64 available | Per 2 channel and 1 terminal



### ActiveStock+ INT



#### Used for event-based video monitoring of warehouse operations

- Provides regulation of potential disputes, determines responsibility for availability of goods, and investigates cases of damage in the warehouse
- Offline and online monitoring available
- Event search: numbers of reporting documents, product name, quantity, cell IDs, pallet, customer or organization name, and more

Win64 available | Per 2 channel and 1 terminal

# TRASSIR

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TRASSIR's vast experience and deep understanding of both the security systems market and the needs of its customers have enabled us to create a truly advanced line of TRASSIR cameras to meet the high demands of users. All TRASSIR products can be successfully implemented at facilities of any scale.



## Value for money

- Advanced video surveillance technologies at affordable prices from budget segments to advanced levels



## Quality image

- Up to 120db True WDR
- Up to 0.001 Lux sensitivity
- Up to 8MP resolution
- Up to 1/1.8" Sensor size



## Cutting-edge technology

- High-performance
- last-generation codecs (H.265, H.265+)
- Full-color night recording without switching to black-and-white mode (FTC cameras)
- Hardware analytics

	Eco	Trend	Pro	Ultra
	Affordable cameras with basic features	Professional video cameras for various task levels	High-performance video cameras with unique characteristics and design protection	High-performance video cameras with a wide range of features
WDR	DWDR 105 dB	RWDR 120 dB	RWDR 120 dB	RWDR 120 dB
Resolution	2MP/4MP	2MP/5MP/8MP	2MP/5MP/8MP	2MP/5MP with increased framerate
Iris Type	Fixed	Fixed	Fixed	P-Iris
Audio	✗			
Local storage	✗			
Onboard Video Analytics	✓	✓	AI	Advanced AI
Alarm In/Out	✗	In some models	✓	✓

# TRASSIR Video Cameras. Eco line



**Affordable cameras with basic features -**  
a line for typical video surveillance tasks

- Resolution 2MP/4MP
- Hardware analytics
- Affordable price
- Indoor/outdoor models

# TRASSIR Video Cameras. Trend line

**TRASSIR®**



**Professional video cameras for various task levels -  
line for security and monitoring in complex systems**

- Resolution 2MP/5MP/8MP
- Two-way audio
- Built-in archive: recording reliability
- Basic hardware analytics



# TRASSIR Video Cameras. Pro line

**TRASSIR**<sup>®</sup>



**High-performance video cameras with a wide range of features -**  
line for major projects

- High image quality
- Two-way audio
- Basic/advanced hardware analytics
- Built-in archive: recording reliability
- Option to integrate with access control systems

# TRASSIR Video Cameras. Ultra line



**High-performance video cameras with a wide range of features - line for major projects**

- High image quality
- Two-way audio
- Basic/advanced hardware analytics
- Built-in archive: recording reliability
- Option to integrate with access control systems
- AutoIRIS

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# Line of network servers



## UltraStation series

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**Number of cameras:** Up to 256

**Support:**

RAID Arrays 0, 1, 5, 6, 10, 50, 60  
HotSwap Redundant power supply units  
HotSwap HDD 3.5"  
Connect up to 2 UltraStorages for additional storage space  
H.265+/H.265/H.264+/H.264/MPEG4

**Actual archive size:**

38 TB ~ 523 TB

**Comes with:**

16/24/36 HDD 3.5"  
2 power supply units TRASSIR Neuro  
Detector Camera licenses



## NeuroStation series for analytics

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**Number of cameras:**

16/32/48/64/128/160

**Support:**

All TRASSIR analytics modules  
H.265+/H.265/H.264+/H.264/MPEG  
4

**Comes with:**

TRASSIR Neuro Detector



## MiniNVR series

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**Number of cameras:**

4/8/16/24/32

**Support:**

With/without PoE  
H.265+/H.265/H.264+/H.264/MPEG  
4

**Comes with:**

AnyIP camera licenses

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# Network hardware TRASSIR



## POE switches

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- Industrial type 4/8 PoE ports switches
- Managed/Unmanaged
- Up to 400 Wt PoE budget
- Combo/SFP ports
- 802.3af, 802.3at, 802.3bt support
- Lighting and ESD protection



## POE injectors

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- Up to 5 extenders in cascade
- 60 Wt PoE budget
- 100 Mbit ports
- 802.3af, 802.3at, 802.3bt support
- Lighting and ESD protection



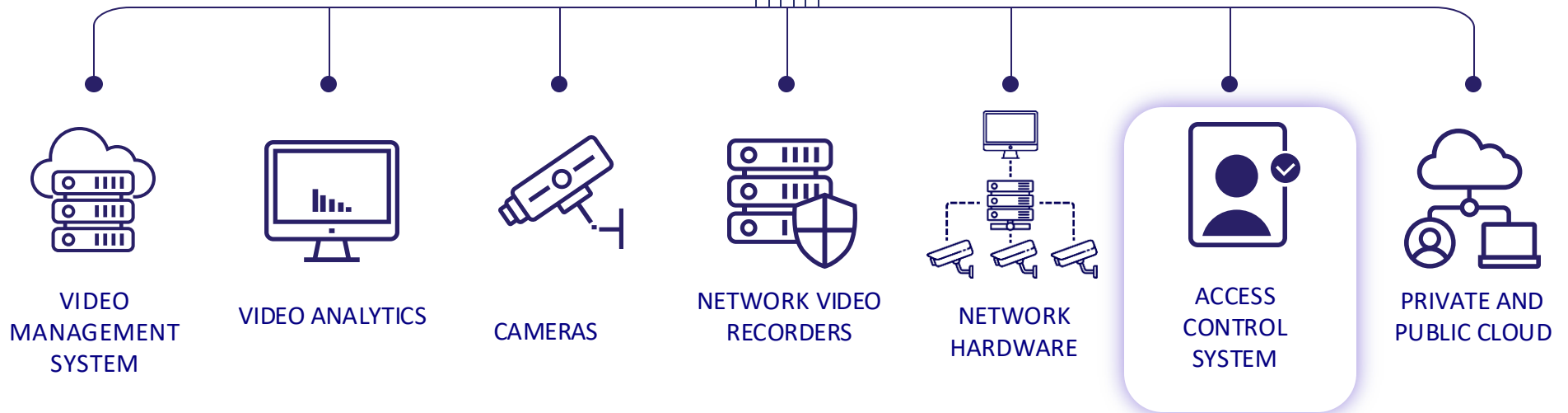
## POE extenders

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- 18~65 PoE budget
- Gigabit ports
- 802.3af, 802.3at, 802.3bt support
- Lighting and ESD protection



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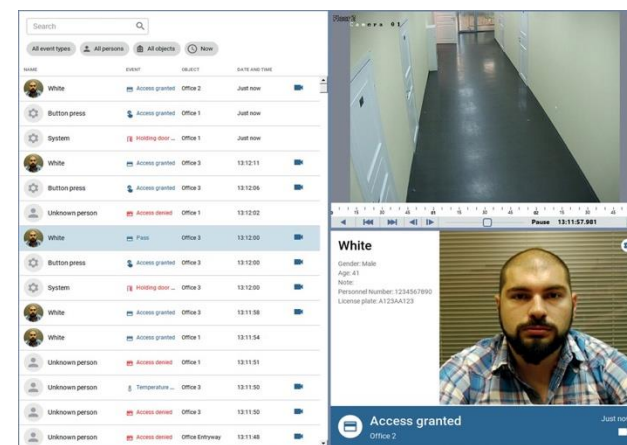
## Proprietary access control and management system on the TRASSIR platform

The system includes access management, event registration and building analysis reports, employee work hour monitoring. The video analytics and intercom integration capability provides all the benefits of access control systems and smart video surveillance together in the TRASSIR platform.

Proprietary line of access control equipment: low-cost network controllers and readers.

## Possibilities

- Human resource management
- Temperature-based access control
- Photo/Video identification
- Access level configuration
- Equipment setup and management
- Multi-factor authentication
- Flexible work and access schedules
- Building analysis reporting
- Configure flexible responses to system events
- Manage visitor passes
- Work in the mobile app and browser



## Advantages



Comprehensive solution



One server for one system - VMS and ACS on one server

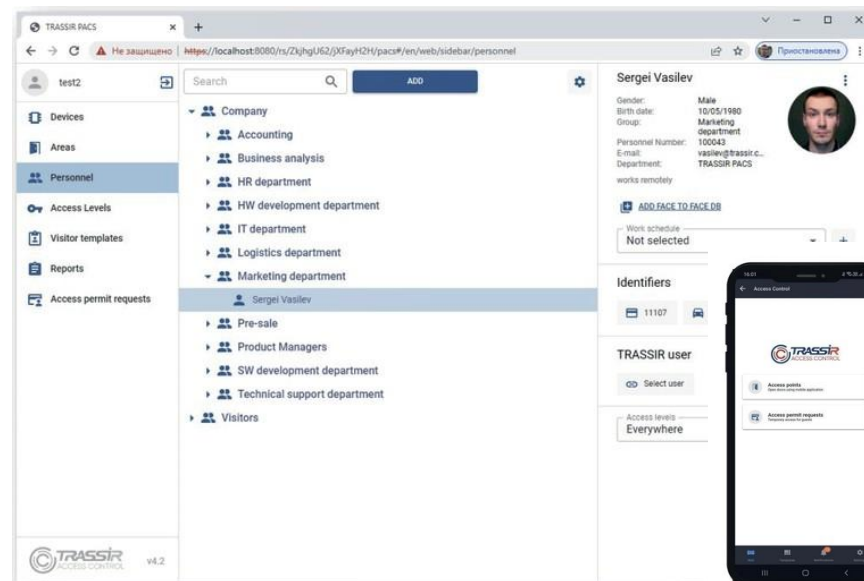


Transparent pricing

\*Supported hardware: TRASSIR and third-party vendors

## Key differences from other access control systems

- Multivendor ACS  
(TRASSIR, HikVision, HiWatch, ZkTeco, TrueIP)
- Integrated security system  
(CCTV, video and event analytics, fire alarm system, ACS, intercom, cloud technologies)
- Customization available (Rules, Scripts, Open API)
- Economy and simplicity
  - No need for an additional server
  - One license for all features and a user-friendly interface



## Types of IDs



Cards



Fingerprints



PIN-codes



Faces



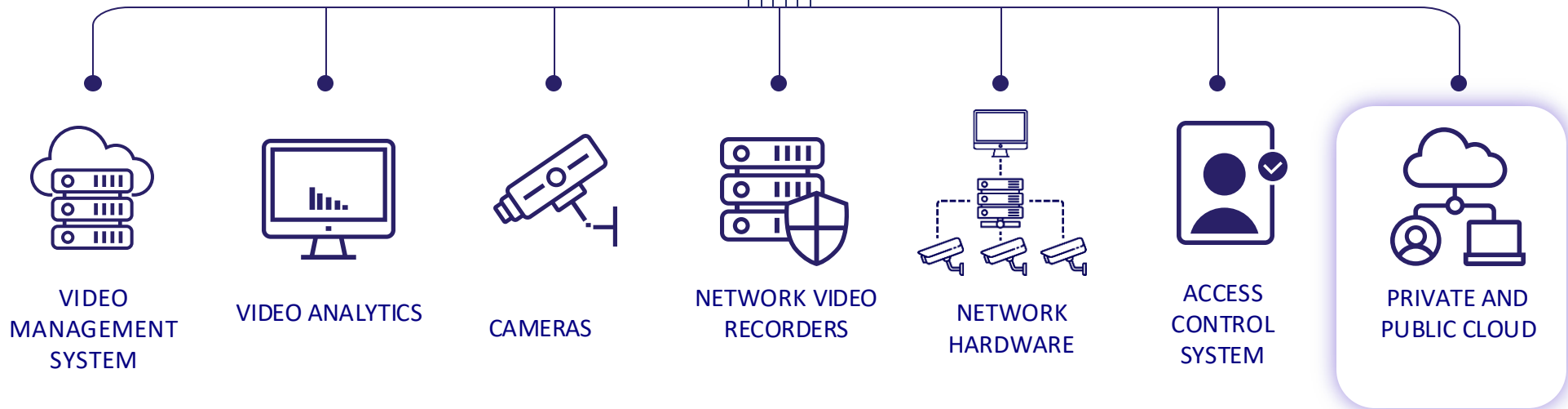
Temperature



License plate numbers



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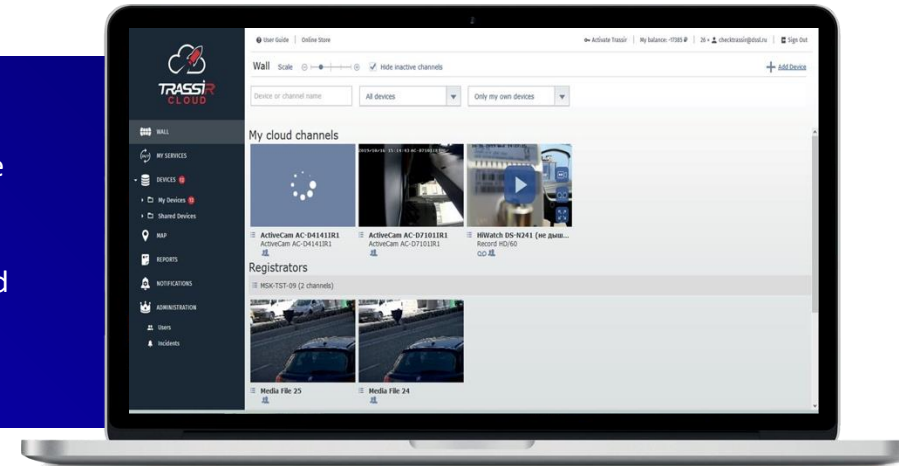
ARTIFICIAL INTELLIGENCE

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# TRASSIR Cloud



Cloud-based video surveillance as an efficient, all-purpose tool for setting up systems of any scale. TRASSIR Cloud CCTV is a carrier-grade plug-and-play value-added service developed for telecoms/ISPs/Enterprises to extend their service portfolio, grow userbases, and secure additional revenue streams through cloud-based video surveillance for SMB and private subscribers



## TRASSIR CLOUD characteristics according to its partners

**95%** Quick setup

**99%** Good technical support

**87%** Convenient software

**90%** Easy to learn

**80%** Competitive pricing

# TRASSIR Cloud



TRASSIR Cloud CCTV is a carrier-grade plug-and-play value-added service developed for telecoms/ISPs/Enterprises to extend their service portfolio, grow userbases, and secure additional revenue streams through cloud-based video surveillance for SMB and private subscribers

## Mobile App features



Connection of cameras and video recorders by IP address or via the cloud



Receive PUSH notifications from video analytics



View live and archived video



Working with ACS: ability to issue a temporary guest pass, ability to manually open the door



View server health indicators



# TRASSIR CMS



Extensive video surveillance system management solution created for the closed IT loop of large customers



Unified user management, LDAP



Centralized server management and updating



Video surveillance equipment health monitoring



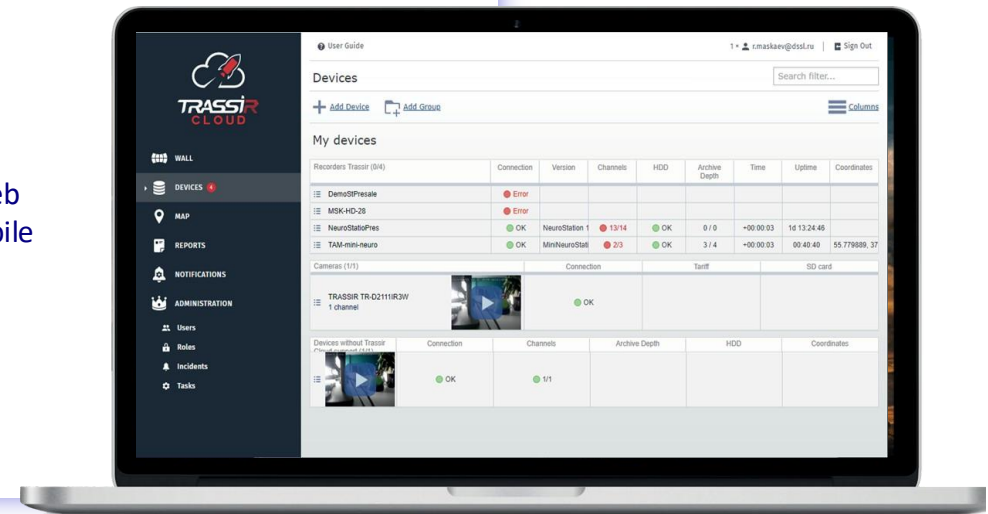
Access to both web interface and mobile app



Internet traffic saving



Situation centre



TRASSIR CMS is designed for



Over 1000 devices



Multiple locations



Over 100 users

# Our clients and partners across the globe

**TRASSIR**





# Our clients' testimonials



Working with TRASSIR has exceeded our expectations. Their technology is flexible, robust, and constantly evolving, giving us the confidence to take on complex projects knowing we have the right tools behind us.

TRASSIR's adaptable platform and powerful analytics made integration effortless and delivered immediate impact—from greater situational awareness to quicker response times.

**HARIR YOUSSEF**  
CEO  
PRM-Micro



We have had the pleasure of working with TRASSIR for the past year, and their service has been nothing short of exceptional. The products we've received have always met (or exceeded) our expectations, and their team is consistently responsive, professional, and willing to go the extra mile. The customer support team is knowledgeable, attentive, and always ready to assist with any questions or special requests. We highly recommend TRASSIR to anyone looking for reliable and trustworthy surveillance and VMS products.

**C. MAHESH**  
Director  
Techno4S Smartomation Pvt Ltd.



We have been collaborating with TRASSIR, which provides groundbreaking solutions in the security industry, for a few years now. This cooperation has increased the security standards, which we have reached to the top with dozens of successful projects we have carried out in Türkiye and the Turkish Republic of Northern Cyprus. One of the reasons why we chose TRASSIR is its superior technological features that create added value.

**TARIK ARSLAN**  
Co-founder & CEO  
Lion Technology Foreign  
Trade Inc.Co



# Our clients' testimonials



What sets TRASSIR apart is its commitment to innovation, adaptability, and intelligent automation. The software's ability to seamlessly integrate with a wide variety of IP cameras, along with its suite of advanced analytics – including facial recognition, behavioral analysis, and proactive event detection – has allowed us to tailor solutions that meet the exact needs of our clients. This level of flexibility has been instrumental in securing projects across government, education, commercial, and industrial sectors in Kuwait.

**ABDULLAH ALNAMLAN**  
Founder & Managing Director  
Blatean Solutions, Kuwait



I have been using TRASSIR software for quite some time, and I believe it is the best software I have ever used in my professional career. It allows you to add any brand of camera and change their settings directly through TRASSIR VMS. Moreover, it includes features like Fire & Smoke Detector, TRASSIR Plans, Sabotage Detector, and Active Search — features that other vendors often charge extra for.

**İSMAIL KESKIN**  
Founder  
Bisavunma  
Security Systems



TRASSIR's powerful AI-driven analytics, intuitive interface, and seamless integration with existing infrastructure have proven to be game-changers. The ability to process and analyze data so efficiently has already brought immense value to our security and surveillance efforts.

**MR. JITENDER BEDI**  
Owner  
MK Agencies



# Certification



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

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



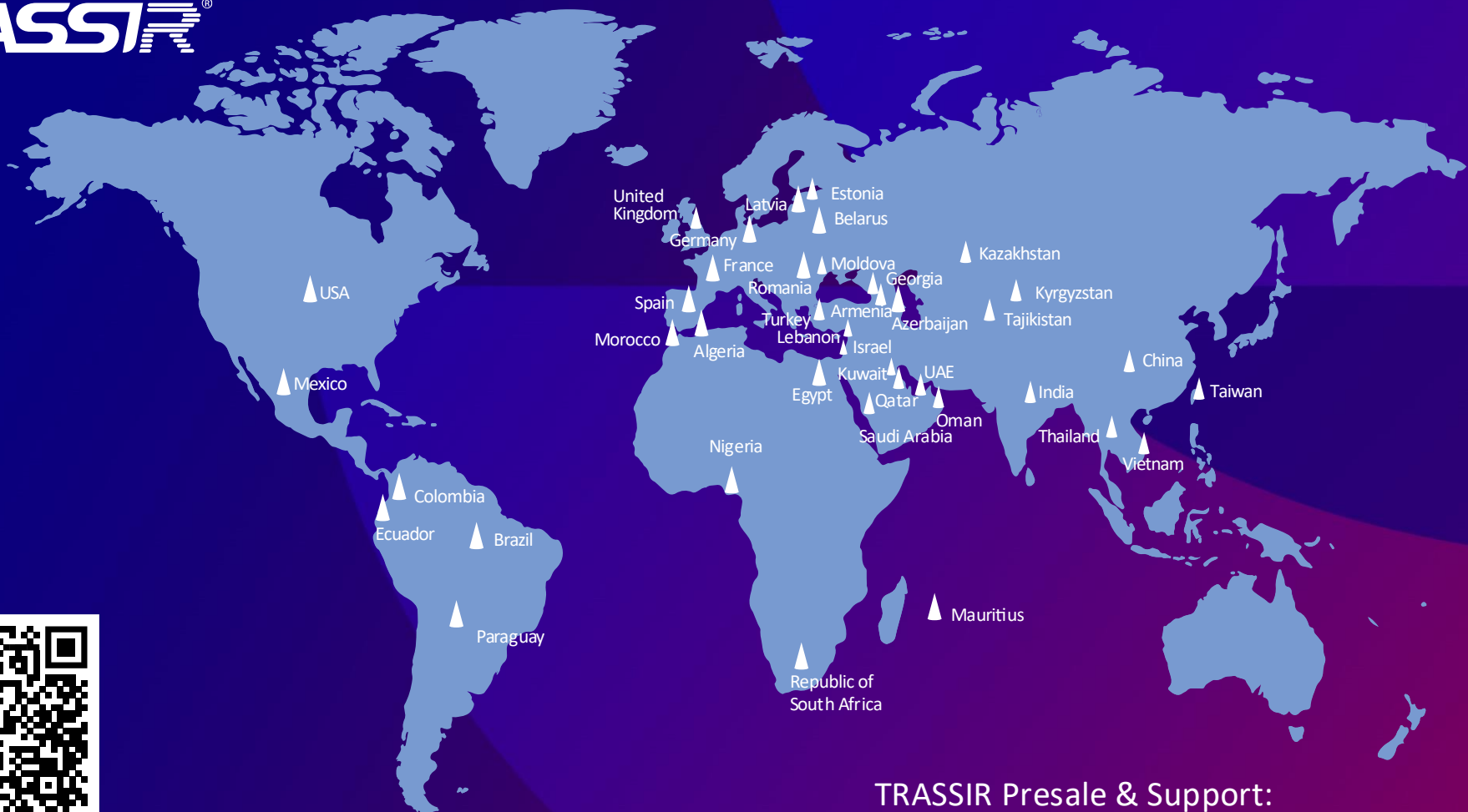
Additional certificates can be obtained to meet the requirements of a specific customer's case or upon a partners' request



[trassir.com](https://trassir.com)



[welcome@trassir.com](mailto:welcome@trassir.com)



TRASSIR Presale & Support:

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[presaleturkey@trassir.info](mailto:presaleturkey@trassir.info)

[presaleindia@trassir.info](mailto:presaleindia@trassir.info)