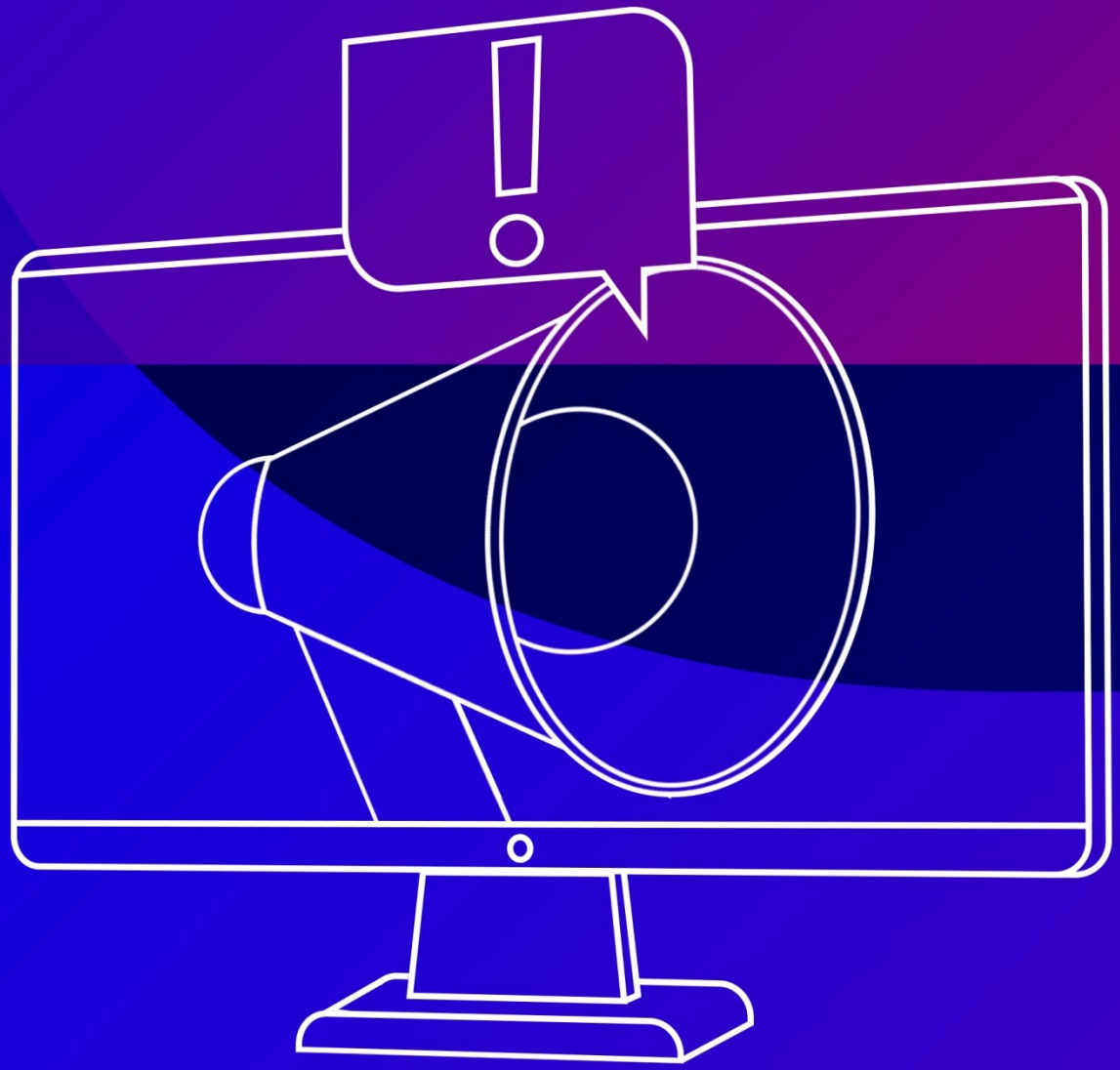
TRASSIR®

Alarm

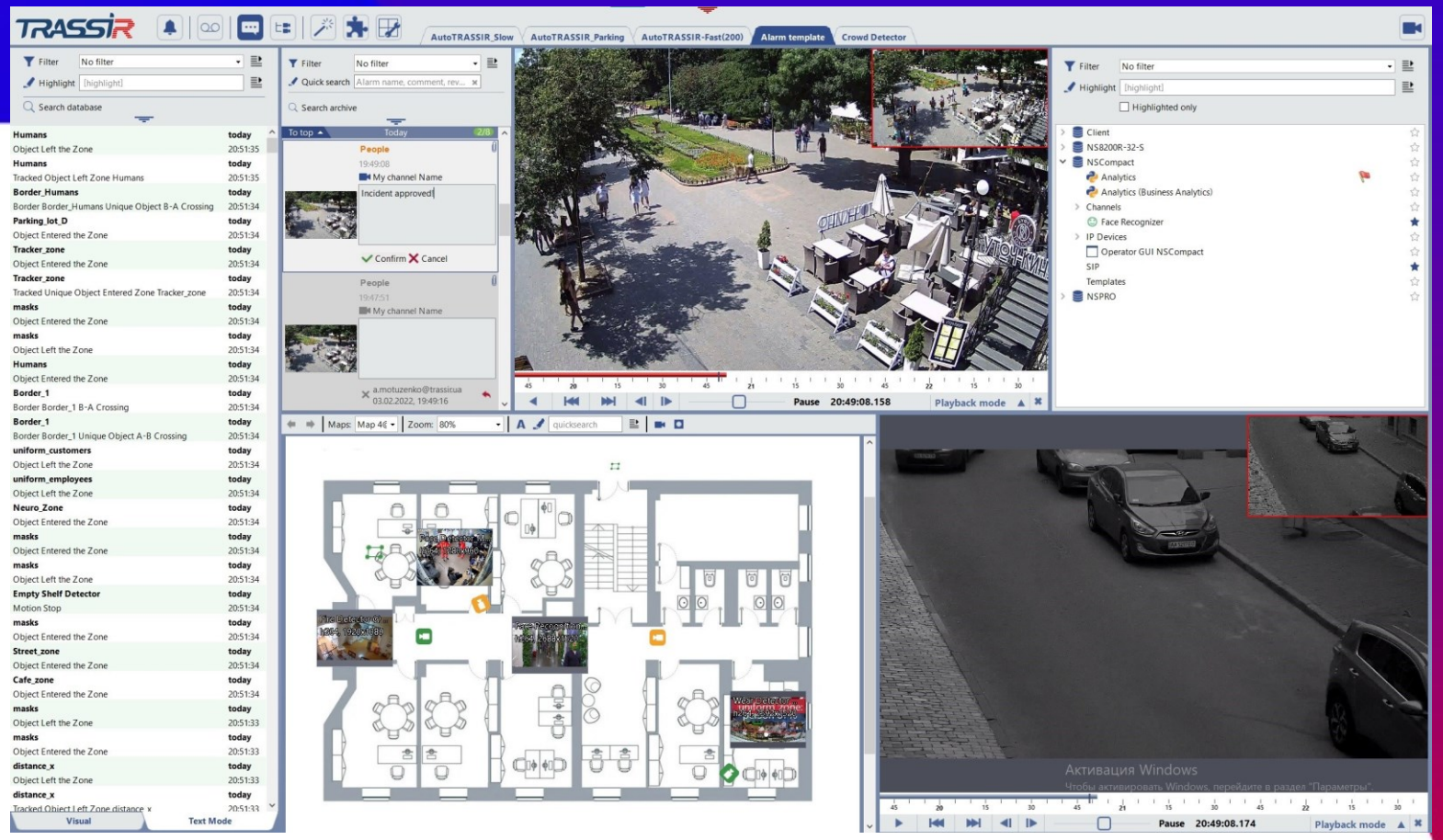
The interface features to avoid missing an important event



TRASSIR
alarm interface

allows receiving notifications when an alarm event occurs.

This will help an operator to faster react to the event, evaluate the severity of a threat, and take the appropriate measures.



Alarm interface operation scheme

An object is captured by a video camera

An alarm appears in the attention window

The operator can go to the archive to confirm or decline the alarm

The detector reacts to the object

Types of events

- Face recognition
- Neuro detector events
  (object in the area, object in the area for a set time, crossing a set line)
- Social distance detector module events
- Face mask detector module events
- Pose Detector module events
- Body temperature alarm
  (excessive body temperature detection event when using thermal imaging cameras integrated into Trassir)
- Movement detection
- Face detection in image
- Sound detection
- Fire or smoke detection
- Flame extinction detection
- Unattended item detection
- Closing/opening of alarm input
- Security system events
- ArUco marker detection in image

Types of response

when set events occur:

Showing the channel on which an alarm has occurred in the TRASSIR software.

Saving a screenshot of an event to a local drive

Sending an alarm description and screenshot by email

Sending an alarm description and screenshot via Telegram (server only)

Sending a screenshot to FTP

Activation of third-party notification systems

Displaying a text message with event details

Opening a pop-up window with event details

Playing audio

Alert generation

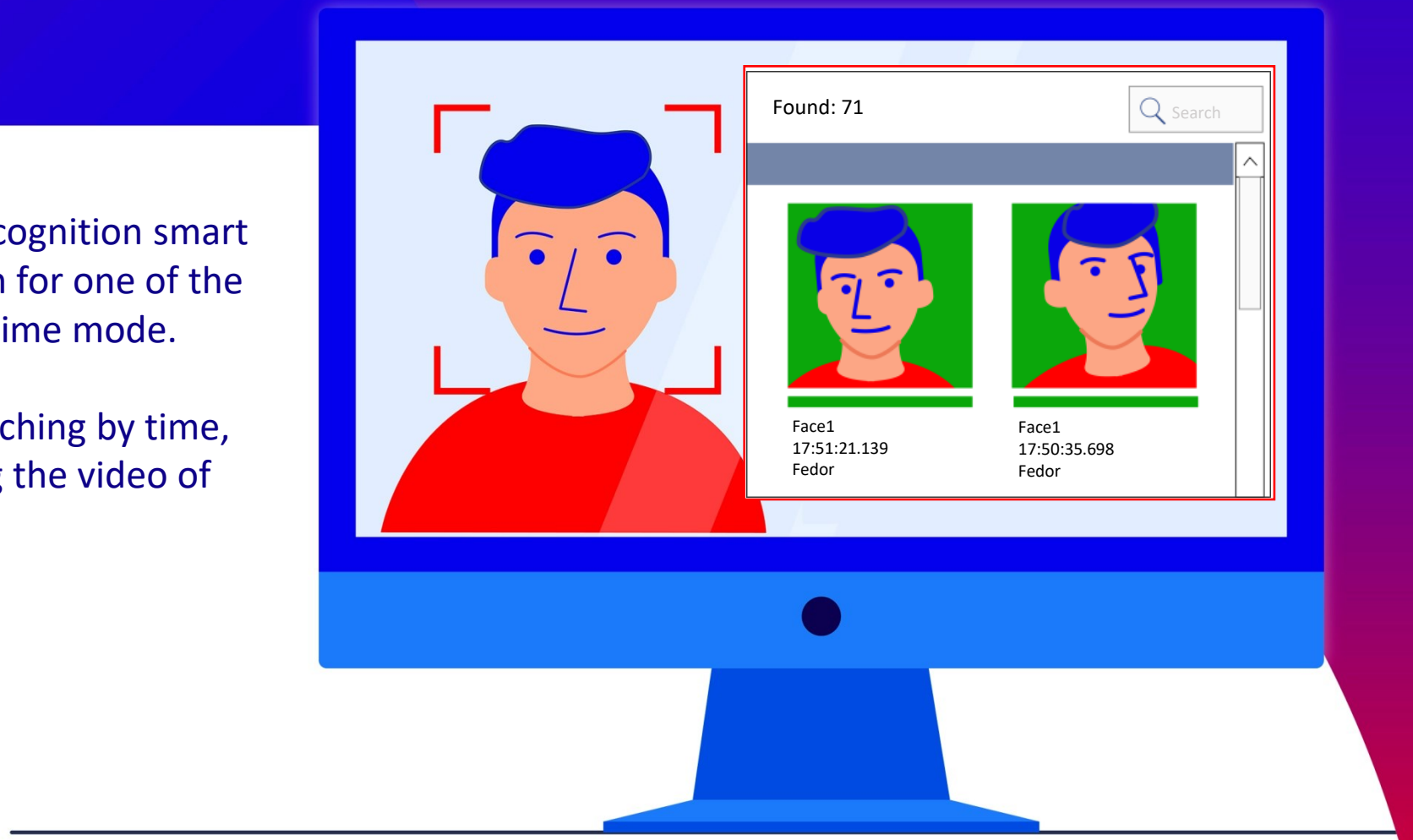
Usage scenario:
Moving around the facility

Face Recognition

Face recognition module

Due to the detection feature Face Recognition smart module offers the capability to search for one of the detected faces in the archive or real-time mode.

TRASSIR Face Recognition allows searching by time, date and camera, as well as exporting the video of the detected events to a file.



Usage scenario:
Intrusion detection

Neuro Detector

Smart neural detector

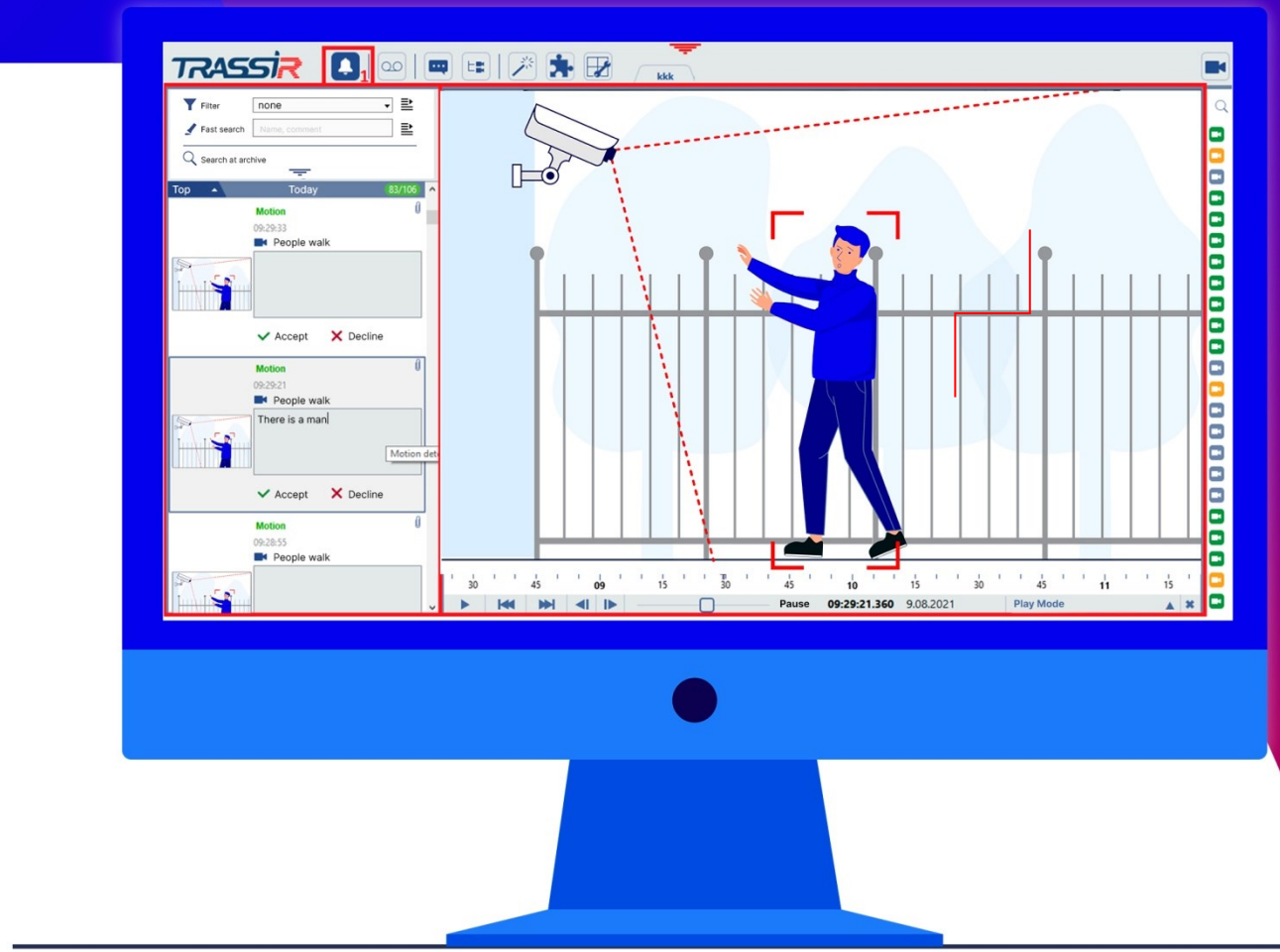
Capable to recognise people, cars, and bicycles on video.

No triggers on other moving objects, e.g. trees.

Various built-in false alarm filters.

When the detector is triggered, a notification appears for an operator in the TRASSIR software.

You can also set up notifications to email or SMS, as well as connect a Telegram bot.



Usage scenario:
Unattended item

Neuro Abandoned Object Detector

is designed to detect unattended and forgotten items left in the camera's field of view. The use of such a detector is often required at airports or railway stations, as well as on street cameras for Safe City projects.

Due to the notifications configured an operator can receive alarms in the following cases:

Item with no owner:

If no owner of the item is identified, the detector triggers after the user-defined time has elapsed. The threshold is set in the no-movement time window.

Owner disappeared from the field of view.

Owner stepped out from the field of view.

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Usage scenario:
Atypical poses

Pose Detector

allows detecting various poses of people and classifying them

Detectable poses:

seated

bent

prone

both hands up

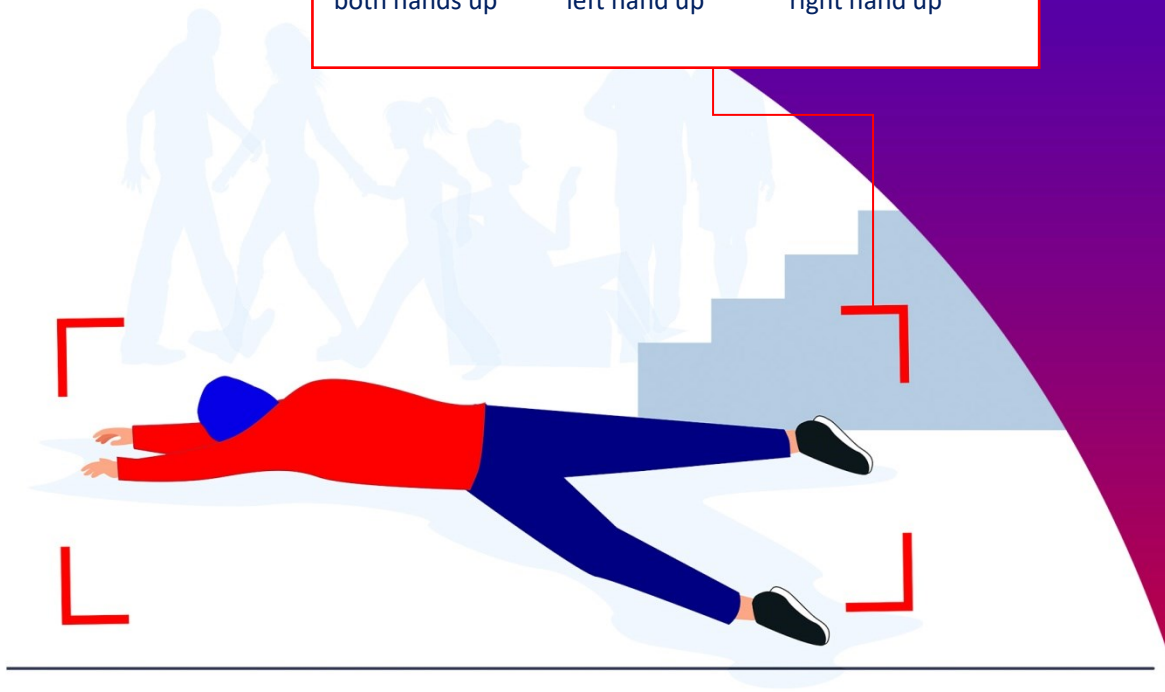
left hand up

right hand up

Due to the notifications configured an operator can react in time to atypical behavior of people near ATMs, people falling down in hospitals or nursing homes, hands raised in the air in case of an armed attack.

The module allows sending incident notifications in cases where an employee has fallen down due to any injury.

When an incident notification is received, an operator can promptly inform the medical services about that.

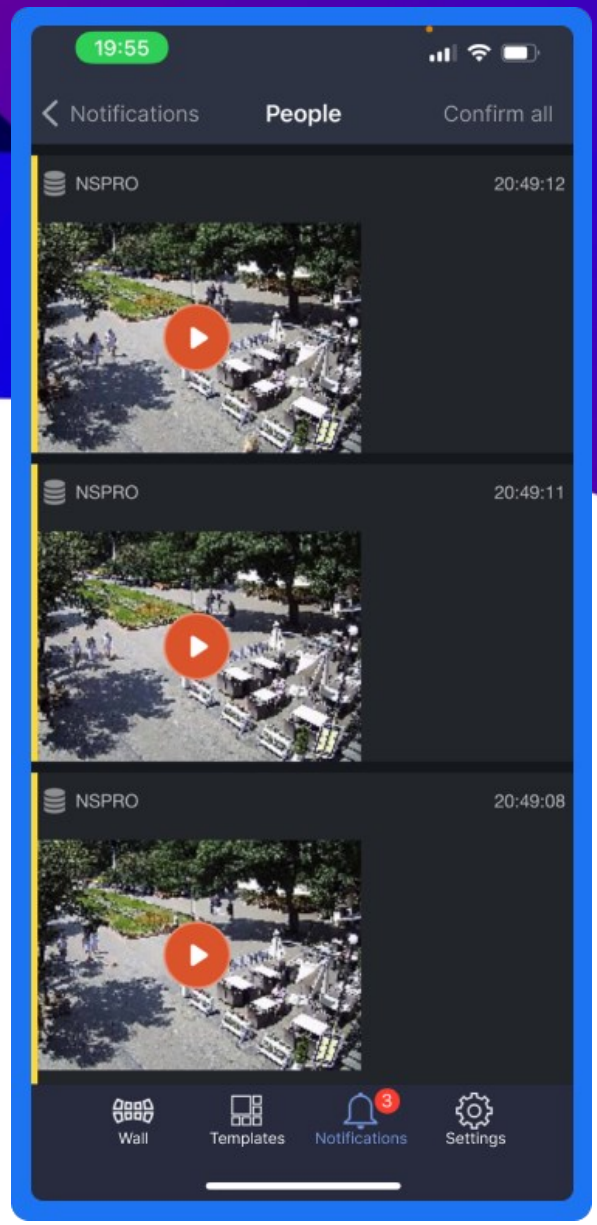


Technical implementation:

- User objects must be connected to TRASSIR Cloud.

- Scripts that are used to generate alarms for the motion detector and the detector of people and objects:
  - motion_alarms info.ru (generation of simple notifications)
  - motion_alarms.ru (generation of notifications with the "Confirm" and “Decline" buttons)
  - neuro_detector_security.ru (generation of alarms by the detector of people and objects)

- It is possible to use the Alarm Monitor script for any detectors in TRASSIR in order to flexibly configure reactions.



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