TRASSIR

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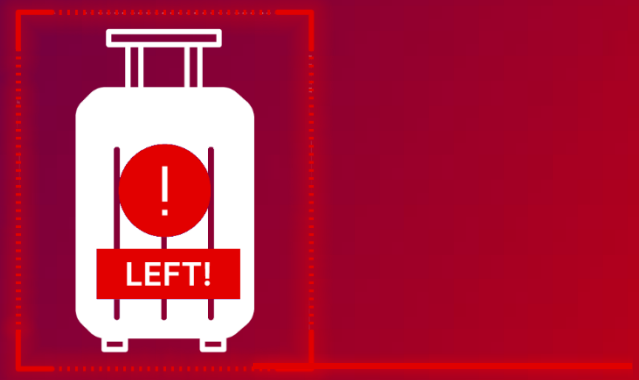
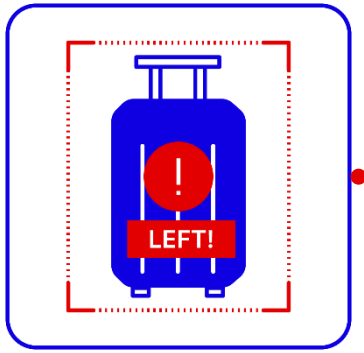
Neuro Left Object Detector



Intelligent module for detecting abandoned objects within the camera's field of view

TRASSIR Neuro Left Object Detector I Base functionality



The left object detector allows you to detect different sized objects left in the camera's field of view. It can instantly identify forgotten and abandoned things that can potentially threaten the safety of the site under video surveillance.

The detector can identify the type of forgotten object and its owner, and therefore doesn't react to people located near the object. This is its main advantage in comparison with the "simple left object detectors" that work by CPU. It also works on the basis of object and people detectors, which is why it doesn't depend on the background and works better in complex conditions.

How it works

You can:

- Install and configure zones for monitoring left objects
- Set a period of time during which left objects may be present in the zone before triggering an alarm
- When a monitoring event is detected, you receive an immediate notification of the event on your screen, smartphone or email.

Works on the basis of unique object characteristics. After performing basic heuristics over the tracks, it determines the object's owner (using motion patterns and proximity to the object), whether the owner has stepped out of the frame or has moved away a certain distance

Additional features

Abandoned objects

If the object's owner isn't determined, the detector works once the specified time-frame has elapsed. The threshold is set in the “time without movement” window.

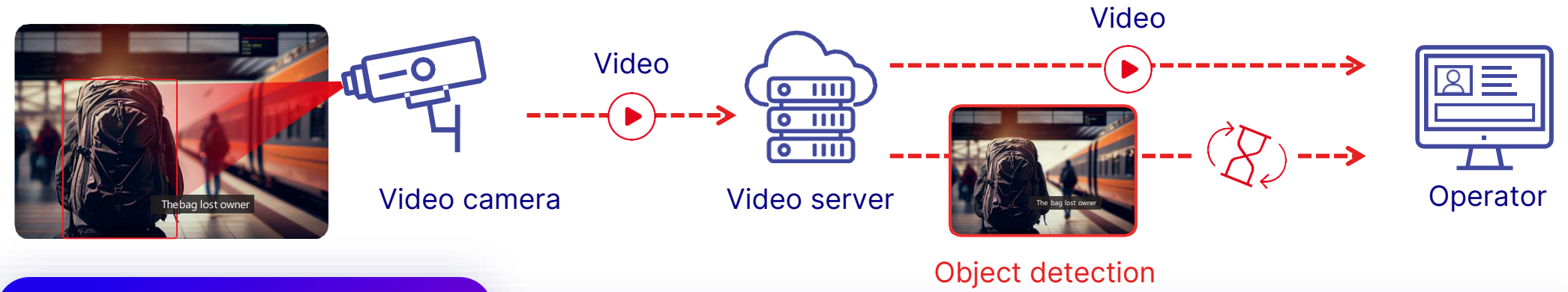
Owner has left the frame

If the person's track disappears (the person has hidden behind an object or is behind other people), then the "time" parameter is used to set the time lapse after which an event is generated.

Owner has left the frame

Since the detection of a person is lost when the center of the person's frame is very close to the boundary, there is a parameter "distance to the frame boundary". It sets the threshold value of the proximity of the center of the person's body to the edge of the frame. If the distance from the center of the body to the boundary is less than a specified percentage of the entire frame, the detector will be triggered a specified amount of time after leaving the frame.

Use scenarios



Reaction scenarios:

1 Notifications in the TRASSIR interface

2 Uploading reports

Incident frequency

Intelligent event search in the archive thanks to the built-in Active Search feature

3 Integration with site systems

Integration through API Uploading

Data to XLSX and CSV Access to data

Using SQL

The ability to customize alerts and reports using Python programming

4 Notifications

Alerts in TRASSIR interface

Email alerts

Telegram

Schemes of use

1. The detector automatically identifies and classifies objects in the video stream
2. If specified zones or borders are violated, an alarm event is generated. A message is broadcast to the offender
3. Notifications are sent to the operator's TRASSIR interface, as well as email and Telegram
4. Measures are taken to eliminate problems which have arisen
5. Data about recorded events is included in statistics
6. Reports are generated
7. Managerial decisions are made to optimize monitoring

Your benefits

No need to sit in front of video surveillance monitors 24/7. Thanks to the neuro left object detector you can:

prevent possible terrorist attacks

quickly inform people in danger zones for the purpose of their subsequent evacuation

identify people who have left objects and organize a search for them without delay

increase safety levels

factor, works without errors

TRASSIR®

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