TRASSIR Social Distance Detector

Neural network detector of social distancing compliance

SOCIAL DISTANCING
6 FEET
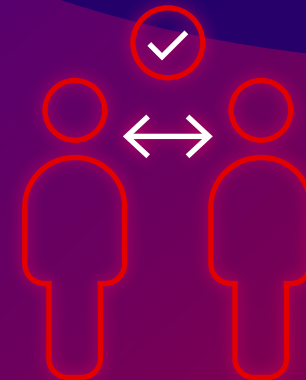
TRASSIR Social Distance Detector

Neuroanalytical smart module that extends the capabilities of an existing video surveillance system by automatically monitoring the social distancing in crowded places

The module automatically detects people in the video stream and performs subsequent analysis of the distance between them. When a violation of social distancing norms is detected, the system allows you to set appropriate response scenarios – output of alarms on the monitor, SMS/Telegram alert or a sound alert.

! Keeping social distance is a necessary preventive measure in a pandemic or epidemic, and increasing the degree of control of such is the most important task for business owners
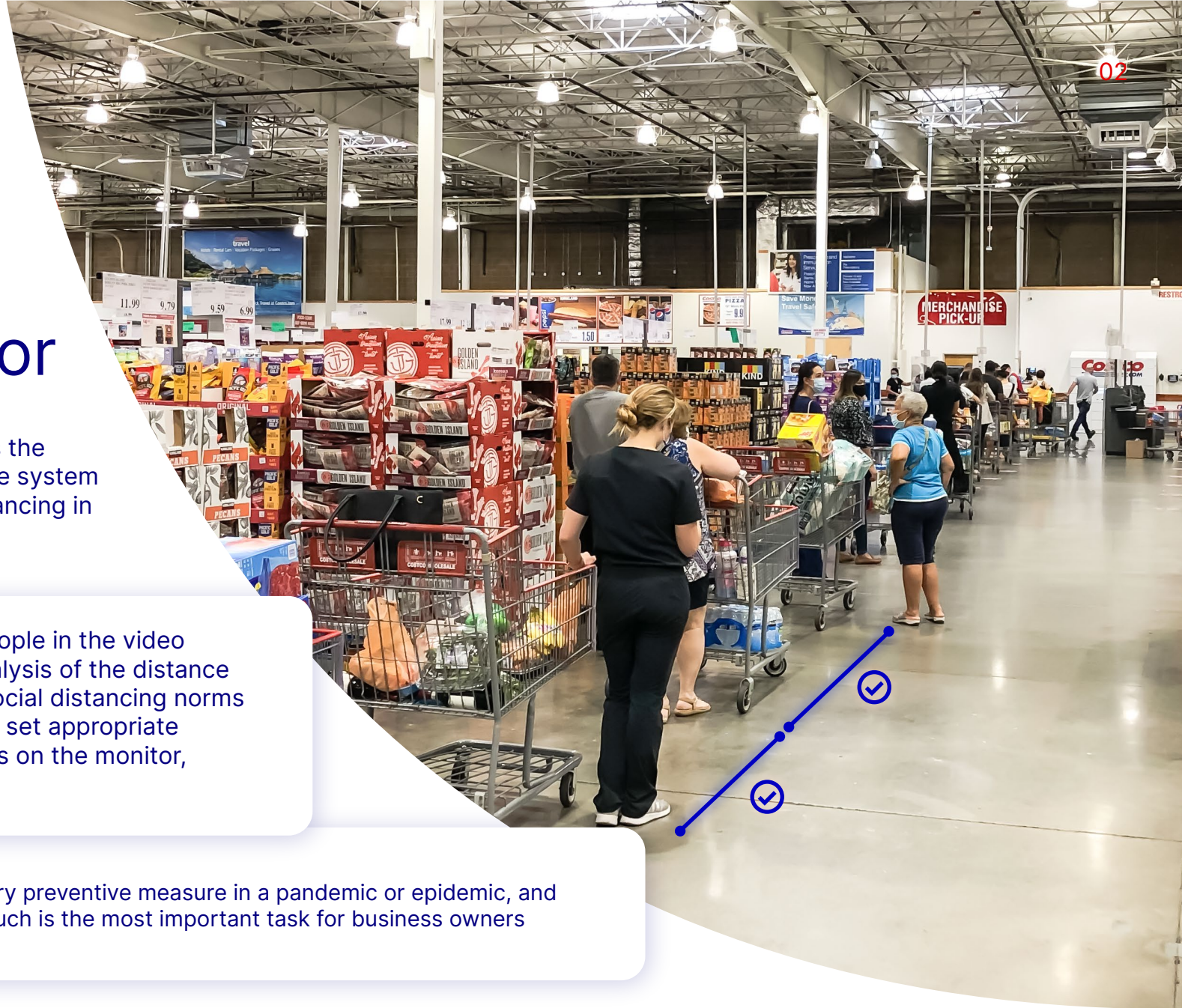
TRASSIR Social Distance Detector usage scenarios

Due to the increased epidemiological danger around the world there are requirements to maintain a minimum social distance between people in public places introduced. Violation of these rules entails not only an increase in the spread of viruses, but also reputational and financial risks for business owners. Given today's circumstances, businesses are interested in the best solution to control sanitary and epidemiological norms and their economic feasibility

Scenario:
Distancing control in queues and/or the sales area

- A camera pointed at the entrance to the store

- The Neuro Detector module and the social distancing compliance script are launched on the video channel

- The script configures the parameters recognized as a violation – the distance between people in the frame and the time

- An additional script configures the closing of dry contacts when a violation is detected

- When the dry contacts are closed, the loudspeaker will announce the need to keep the distance in the queue

Solution architecture. How does it work?

Implemented: locally on the NeuroStation series servers offload analytics

Video camera → Video → Video server → frame with the distance between them → Video → Operator
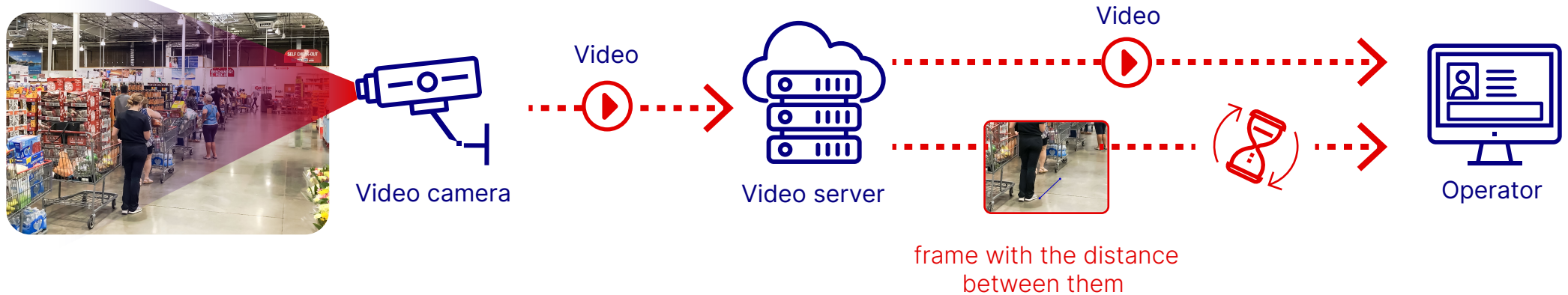
Сценарии реакции:

1 Notifications in the Trassir interface

2 **Notification:**
SMS notifications
Email notifications
Telegram notifications

3 **Integration with on-site systems:**
Access control system (turnstiles, doors, etc.)
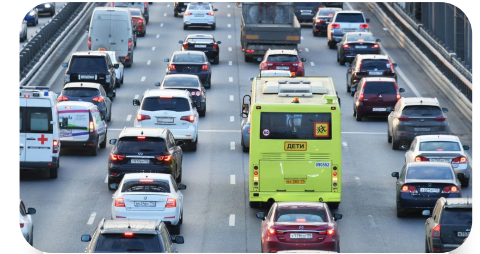Voice alert system
Alarm system

Areas of application
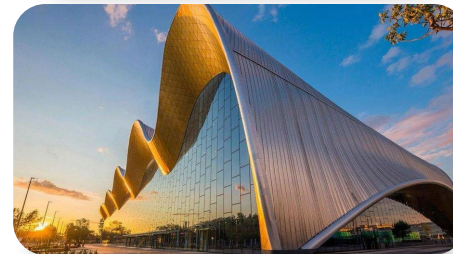
Airports

Buildings and facilities

Retail

Public transport

Business centers and offices

Industrial enterprises

Cultural and sports facilities

Customs and border control

Safe city

Functionality and features of the solution

1 Automatic detection in environments with high human traffic

2 Distancing control in queues

3 Dry contact alarm system logic configuration

4 Flexible configuration of program alerts and notifications of personnel violations

5 Use in conjunction with TRASSIR Face Mask Detector for a full cycle of epidemiological compliance monitoring

Solution benefits

Quick implementation

– expanding the functionality of existing video surveillance systems

Responsiveness

– operation in real time without delays. Significant reduction in response time to violations

Flexibility

– the option to set the data on the distance between people in the frame, as well as the minimum time of violation of the required distance

Simplicity

– neural network analytics running on the pre-installed hardware, easy implementation into existing CCTV system

Integration

– the necessary set of mechanisms for integration with hardware

Accuracy

– the option of marking the detection zone and flexible adjustment of the module

Cost

– a one-time payment for 1 video channel

TRASSIR®

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Hardware Catalog

Video Management
Software Catalog

Success Cases