swissTRAFFIC

we innovate mobility
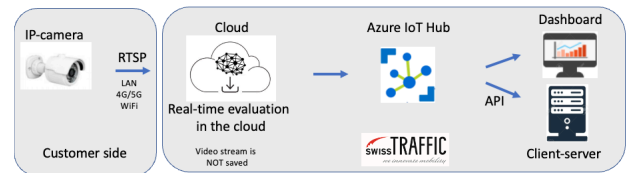
SWIROO
PART OF SWISSTRAFFIC

AI | swissTRAFFIC AI

AI-based fixed installation for multimodal counting in real-time. Use of existing camera infrastructure, if installed. SWISSTRAFFIC AI complies 100% with GDPR data protection requirements.
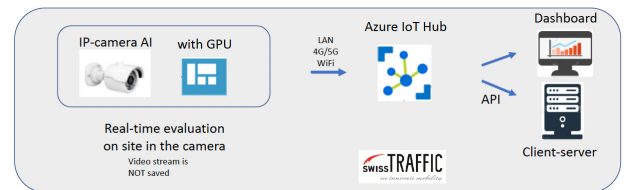
CLOUD SOLUTION

Customer can install the camera. Dual use as a safety camera. Outstanding accuracy, even for congested objects in urban environments. Easy use of already existing cameras possible. Encrypted data transmission and analysis in the cloud. API available.
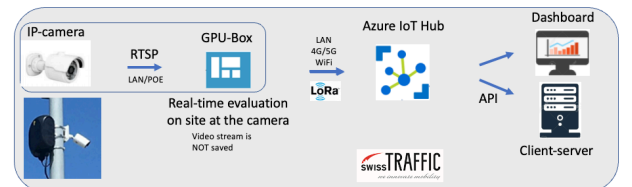

AI CAMERA SOLUTION

The entire AI software is integrated into the specialized AI camera. In case there is no LAN connection available, an additional modem with an LTE SIM card must be provided.
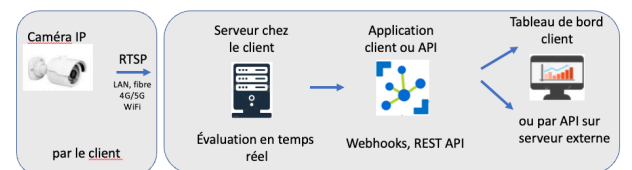

BOX SOLUTION

Additional hardware box is installed directly with the camera. Data transmission possible via GSM or LoRa. Easy use of current cameras possible. On-site data analysis. API available.

SERVER SOLUTION

Installation of a server with pre-installed software directly at the customer's site - connection of the server to the customer's cameras on site - access by video surveillance is not affected. Data processing by customer or API.

IDEAL APPLICATION AREAS

Counting IMT, cyclists, e-scooters, persons, wheel chairs, strollers
Counting tourists, hikers
Traffic signal optimisation
Cyclist behaviour
Nodal flow analyses
Traffic flow
Transfer relationships
Analyses of near-accidents
Impact analyses

TECHNICAL FEATURES

Multimodal
14 object classes
Accurate lane tracking
Real-time data
Congestion-resilient
Speeds
Simple installation
GSM or LoRa
Parking

COMBINABLE PRODUCTS

SWISSSAFETY AI
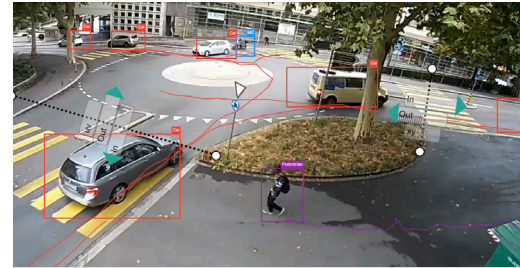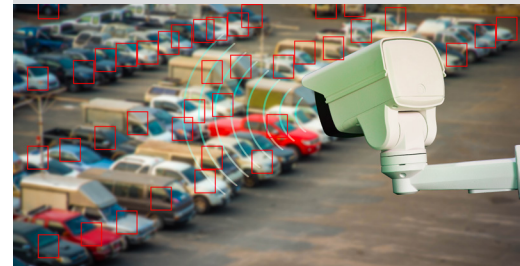SWISSPARKING AI
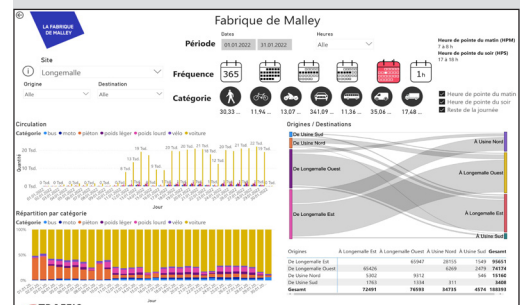SWISSSERVICES
SWISSDASHBOARD

OPTION	DESCRIPTION
Solution for road sections	• In section with max. 2 lanes, incl. 30 days data storage and API • BOX-solution with 4G, pole mounting kit, camera 4MP • CLOUD-solution with camera 4MP, 4G, secured stream
Solution for intersections, roundabouts and highways	• In intersection or roundabout or on max. 4 lanes (highway), incl. 30 days data storage and API • BOX-solution with 4G, pole mounting kit, camera 4MP • CLOUD-solution with camera 4MP, 4G, secured stream
Data storage up to 3 years	
AI Camera solution	• The entire AI software can be integrated into a special AI camera
Battery	• Battery 60Ah 12V / 100Ah 24V with converter
Professional dashboard	

Automatic detection of traffic flow for all moving objects without storing video or image data.

Intelligent parking: Detection of car park occupancy and calculation of parking time.

Data visualisation in a neatly arranged dashboard with separate customer portal.

SMART MOBILITY SOLUTIONS
PRODUCT CATALOGUE

SWISSTRAFFIC Group

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