

AI SWISSSCOUT AI



Unique mobile camera system for multimodal traffic counting in real-time.

Count your individual motorised traffic as well as cyclists, e-scooters and pedestrians. Analyse cyclist behaviour, nodal flow and impact of multimodal traffic.



100% data protection



AI software for real-time data



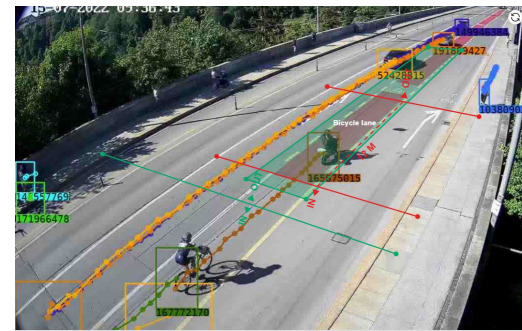
Mobile system allows autonomy up to 14 days



Swiss quality and know-how for over 20 years

The swissSCOUT AI is a self-powered camera with telescopic antenna and built-in AI processing. The swissSCOUT is capable of analysing a whole week's worth of real-time video, including remote monitoring of the system, and the swissSCOUT AI enables the counting and classification of up to 13 object classes with accurate trajectory tracking and automatic detection of near misses within a large intersection.

The assessment of the risk of near misses is based on automated AI recognition of potential conflicts between road users. This applies in particular to left-turn movements or merging from an acceleration lane. Two parameters are taken into account when creating the risk matrix: the "intersection point of the trajectories" and the "speed of the objects".



SWISSSCOUT ADVANTAGES

1. 100% Data Protection Compliant
2. Real-time data with AI
3. Simple to use
4. High accuracy
5. Dashboard and API's
6. Free support for your first project



IDEAL APPLICATION AREAS

- Counting motorised and slow-moving traffic
- Cyclist behaviour at roundabouts
- Detecting near-leg accidents
- Missing stop signals
- Wrong lane or direction of travel



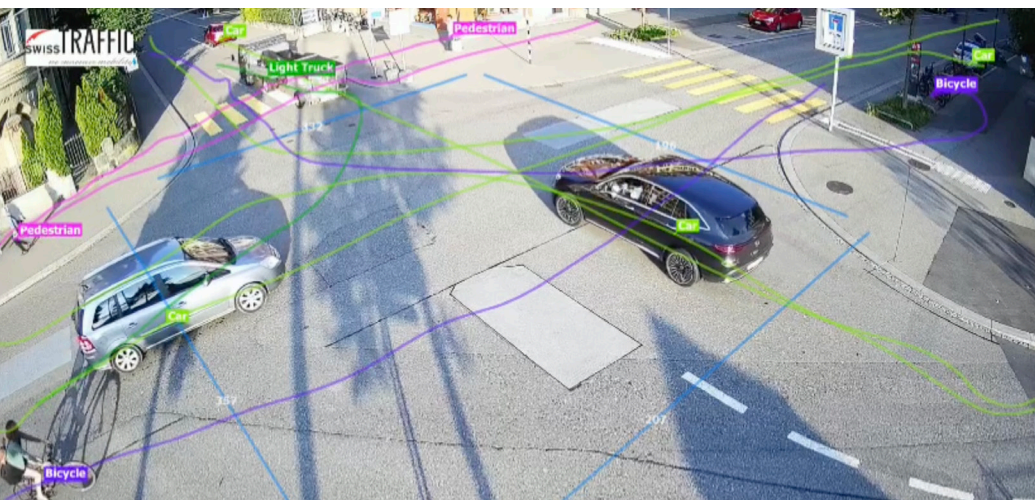
TECHNICAL FEATURES

- Mobile counting station
- 14 object classes
- Up to 14 days autonomy
- Counting of MIT, cyclists, people, e-scooters, pushchairs, wheelchairs-
- Speeds
- Lane accuracy
- Real-time data
- Data protection-compliant



COMBINABLE PRODUCTS

- swissSERVICES
- swissDASHBOARD



SWISS TRAFFIC
we innovate mobility

SWIROO
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1. MOUNT THE SCOUT

Install your SWISSSCOUT AI to the pylon at the chosen location with clamps and extend the telescopic pole up to a height of 7m.



2. CONNECT BATTERY

Connect the system box to a fully charged battery pack. Fix the battery box to the pylon.



3. CHECK THE CAMERA ALIGNMENT

Open the app and check the alignment of the SWISSSCOUT AI camera.



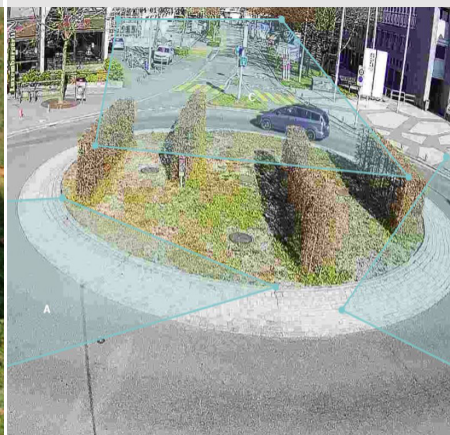
4. SET THE TIMES

Determine the recording times with the timer in the system box.



5. SET YOUR COUNTING LINES

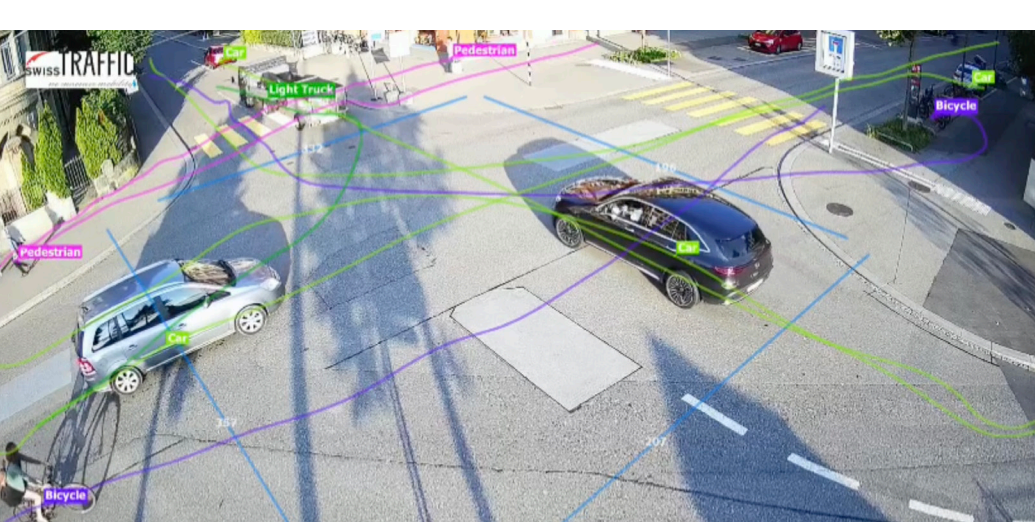
Go to the SWISSSCOUT AI ControlCenter: set your counting lines and zones and get your real-time data.



6. OPEN DASHBOARD

Check your data in real-time in your dashboard.





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13

Up to 13 classes

Counts up to 13 object classes.



Autonomy

With standard battery pack (60Ah, 10kg) up to 2 days. With additional optional battery pack (100Ah, 20kg) up to 7 days.



Real-time data

View real-time data on your dashboard. With AI-technology, the tedious wait for analysis is over.



Multimodal analysis

In addition to the count, the traffic flows (origin-destination) of all object classes are also determined in real-time.

AI

AI resolution

Full HD camera 1920x1080, wideangle 120 degrees, 2 MP, 30 fps



Windproof stabilizer

The integrated digital stabilizer guarantees accurate analysis even in windy conditions.



Full data protection

Complies with EU and CH data protection guidelines GDPR using Edge Computing. No need to store videos anymore.



Weatherproof

Operating temperature -20°C/+50°C, absolutely weatherproof in the most extreme climates.



Free Support

We support you on your first project free of charge in the use of AI technology as the state-of-the-art of smart mobility.



Telescopic antenna

The easily extendable telescopic antenna up to a height of 7m allows wide coverage of the counting environment.



Accuracy

Very accurate recording of all object classes.



Light-sensitive

Day and night modus up to 0.0003 Lux guarantees sufficient accuracy in the dark.



License plate recognition

Able to recognize the license plate especially to monitor travel times.



Remote access

Have online access to your SWISSCOUT AI anytime and anywhere with our app or the ControlCenter.



Additional features

Is also able to determine waiting times, congestion lengths and speeds.

SMART MOBILITY SOLUTIONS
CATALOGUE DES PRODUITS



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