



AI | SWISSBIKE+PED LIGHT



This IoT sensor is specially designed to meet the needs of clubs or organizers of one-time events without ticketing, tourist sites such as parks and trails or in nature for counting hikers, cyclists, etc.

TECHNOLOGY

The boxes use digital heat detectors. These components act like miniature thermal imaging sensors.

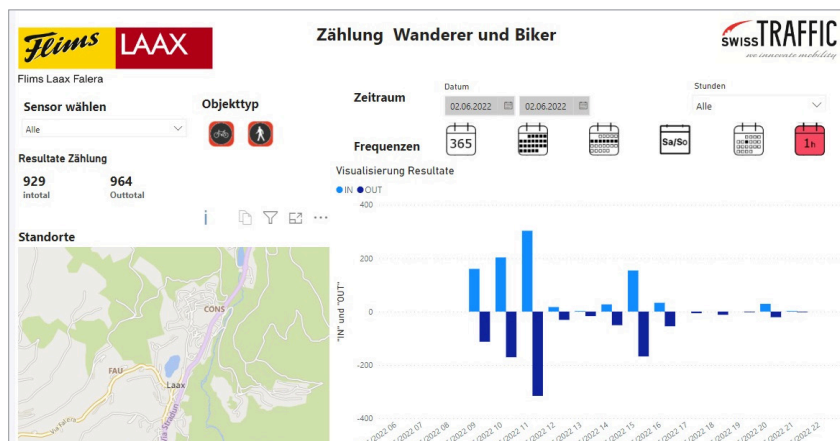
They concentrate infrared heat radiation when people cross the sensor beam. Digital analysis of this signal can be used to count the number of objects and determine their direction of travel. The speed is also used to distinguish between people and cyclists. These boxes are simple, small, adaptable to any environment and operate autonomously.



Counting width per sensor: 1 to 6 meters. Ideal width: 3m to ensure accuracy of over 95%. If the width is more than 3m, the accuracy decreases to 90%



Immediate start-up - no electrical connections, Recognition of the direction of passage, single or double direction.



IDEAL APPLICATION AREAS

- Counting tourists, cyclists, hikers, cross-country skiers, people attending events
- Pavements in cities (non-crowded)

TECHNICAL FEATURES

- Autonomous for 2 years
- Simple installation
- Counting widths of 1-6 metres
- 2 object classes
- 4G/5G
- Plug & count
- API

COMBINABLE PRODUCTS

- SWISSSERVICES
- SWISSDASHBOARD



<p>FEATURES</p>	<ul style="list-style-type: none"> • Immediate start-up - no electrical connections • A lightweight and easy to handle sensor (10 x 8 x 4 cm) • Memorization of the passages in a quarter of an hour • Recognition of the direction of passage, single or double direction • Automatic transmission of the count data through the LTE-M network twice a day • Display of counter readings on dashboard • Summary and detailed reports on dashboard • Secure mounting tools against theft • Works anywhere with LTE-M wireless network • Datatransfer through API
<p>TECHNICAL SPECIFICATIONS</p>	<ul style="list-style-type: none"> • Counting width per sensor: 1 to 6 meters. Ideal width: 3m to ensure accuracy of over 95%. If the width is more than 3m, the accuracy decreases to 90% • Differentiation of traffic type (pedestrian / cyclist) • Autonomy of 24 months • Water resistance: IP67 • Automatic transmission of counts adapted to the requirements • Attendance report for an event • Seasonal attendance analysis
<p>DATA ANALYSIS</p>	<ul style="list-style-type: none"> • Sensors collect data in the field with visualization on dashboard • Reports enable analysis and traceability of metrics. • In the field, real-time values can be used to monitor safety metrics • Let the numbers speak for themselves to bring objectivity and quantity back into presentations: Then use them in communications with partners or managers and compare from one period to the next

DIMENSIONS
10 x 8 x 4 mm

DETECTION DISTANCE
1 to 6 m, ideal width: 3m

INSTALLATION HEIGHT
80 cm (+/- 15 cm)

WATER RESISTANCE
IP67

COMMUNICATION
4G/5G

BATTERY
24 months autonomie



Can be integrated into a wooden post.

SMART MOBILITY SOLUTIONS
PRODUCT CATALOGUE

