AI Traffic and Footfall Sensors to support positive change on your streets

School Streets
Strategic Roads
Low Traffic Neighbourhoods

Long Term Traffic Counts
Road Safety Investigation
Active Travel Monitoring

Sensors deployed nationwide for customers including:

Transport North East
EDINBVRGH THE CITY OF EDINBURGH COUNCIL
Leeds CITY COUNCIL
Newcastle City Council
sustrans JOIN THE MOVEMENT
Hackney

Streets Systems provides solutions that make places safe, smart and sustainable.

Our surveys and sensors use AI technology to collect anonymous data about traffic, footfall and use of space. We help manage urban infrastructure, collect traffic data and monitor the baseline and effects of street improvement projects.

- Sensors are self-contained redeployable units, they can be easily moved if needed
- Sensors are remotely controlled, maintained and monitored
- Detailed studies of public spaces and shortterm traffic studies also available

Streets Systems

For more information visit
www.streets.systems
hello@streets.systems

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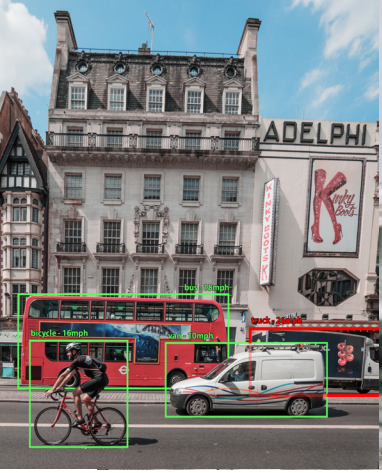


Simple Install
hassle free

Self-contained redeployable unit installed by our technicians, mounted on street furniture or adjoining buildings overlooking the area of interest. Highway Authority Landowner or development control consents project managed by our team.

Remote Control
maintenance and updates

Configuration and adjustments done remotely. Ongoing maintenance includes providing communications, servicing of the equipment, lens cleaning and biannual recalibration to guard against data drift.

Edge Computing
on- device processing

Data is extracted using computer vision algorithms including AI detectors trained to recognise pedestrians and to classify vehicles. The system detects and tracks users through the scene, storing these tracks for analysis and reuse.
Tracking moving objects, these might inlude people, cyclists, buses or cars.

Privacy by Design

Data output is checked to ensure that it is fully anonymised to allow handover a clean dataset to the client that does not contain personal data. The video streams generated by the sensor cameras are processed within the sensor unit. No video is recorded, instead the feeds are processed in real time into anonymised counts.

Data portal

Wireless communications link sensors with a database. A data portal and an API allow programmatic access to data and viewing charts and tables.

Specification

- Flexible power supply, either 230V mains powered, 12DC or PoE. Nominal Watts 13W Charge Code 7920013001100
- High Definition camera- based sensors with day and night vision capabilities
- Weight: approx. 2.25kg
- Range: Variable 5 to 50 metres (depending on lens fitted)
- Communications: 4G, 5G or Wifi
- Security Measures: Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/ HTTPS