

TrafiCam

PROJECT IN THE SPOTLIGHT:

Intelligent vehicle presence detection in the UK



A TrafiCam installation in Greenock, UK.

Approximately 100 TrafiCam sensors - Traficon's integrated camera and detector for urban vehicle presence detection - have been installed in the United Kingdom since January 2009. More than 40 intersections in cities like London, Liverpool, Edinburgh, Sheffield and Glasgow are actually equipped with this intelligent sensor.

TrafiCam is a **vehicle presence detector** and detects waiting and approaching vehicles (stop bar and advance detection) at signalled junctions. Up to 8 presence detection zones can be configured. These detection zones or virtual loops are direction sensitive, so presence detection over different lanes is possible.

Via the virtual detection zones and the outputs each time a vehicle is present in the detection zone, vehicle presence information is transmitted to the traffic controller so signal timing can be adjusted dynamically, resulting in **reduced waiting time**, improved traffic flow and less pollution.

TrafiCam is primarily used in the UK as a reliable and viable **alternative for inductive loops**. One TrafiCam sensor can replace 1 to 8 loops, has a higher life expectancy than loops and lower installation and maintenance costs.

EASY TO INSTALL, EASY TO CONFIGURE

TrafiCam is easy to install. It can simply be mounted on existing or new infrastructures. A flexible bracket for rotation and positioning and a minimum of interconnection wires make the installation very user-friendly.

The sensor can be configured via a portable computer with the pre-installed TrafiCam PC tool. No specialist knowledge is required. **Video images** from the sensor allow accurate positioning of multiple presence detection zones and real-time verification of the detection performance.

TRAFICAM AT A GLANCE

Functionalities

- Vehicle presence detection at signalled junctions
- Stop bar and advance detection

Benefits

- All-in-one sensor (camera + detector)
- Above-ground sensor
- Direct loop replacement (1-8 loops)
- Detection rate: > 98%
- Real-time visual verification of detection performance
- Quick installation & easy configuration
- All weather performance, day & night
- Mean Time Between Failure (MTBF) > 10 years



Video images from the TrafiCam sensors with direction sensitive virtual loops

BASED ON A TRUE STORY

Peter Jones from 2020Liverpool Ltd. tells about his experiences with TrafiCam in Liverpool:



“I installed one Traficam camera at an awkward location in Liverpool Town Centre a few months ago and it has been so successful that it has **enabled SCOOT implementation in that area**. I then installed 4 of these around a new temporary junction in the heart of Liverpool which will be in place for 6 months during major road works, this has **enabled SCOOT to control a temporary junction**; again, this is proving very successful. As a result of our experience we intend to extend the use of this equipment to cope with road works and also to consider the benefit of Traficam compared to ground loops for all new/modified installations.”

*FOR MORE INFORMATION ON THIS PROJECT, PLEASE CONTACT MR. SUKHDEV BHOGAL - TRAFICON (SB@TRAFICON.COM).
THE OFFICIAL TRAFICAM DISTRIBUTOR IN THE UK IS TELENT.*

