



TrafiCam

When it comes to monitoring and managing traffic, Traficon's video detection technology has proven to be a highly reliable and accurate alternative to loops and other detection technologies.

Introduction

For many years, the most common way to detect static or moving vehicles on the UK's roads has been through the use of inductive loops. Although very successful and low cost, many of these loops are failing repeatedly due to broken road surfacing, utility works, the sheer volumes and almost continual weight being applied to them. It has become more difficult and expensive to re-cut these loops with limited working windows along with disruptive and costly traffic management. Therefore over a number of years companies like Traficon have been developing an alternative solution using video detection.



Image from TrafiCam PC Tool

The TrafiCam

telent has recently entered into a partnership arrangement with Belgian company Traficon, who are world widely recognised as the market leader in traffic video detection. Traficon has been developing video detection equipment since 1979 and has an extensive product portfolio. The partnership arrangement gives **telent** exclusive rights to sell Traficon's TrafiCam product within the UK. Launched in 2003, TrafiCam integrates both camera and detector in a compact, stylish housing and detects vehicles waiting at or approaching a junction. The most common use for TrafiCam is vehicle presence detection and the replacement of various loop types such as XYZ, MOVA, SCOOT and Occupancy.

TrafiCam can be installed on existing traffic signals infrastructure and is configured using the TrafiCam PC tool off or on site. A video detection image from the sensor allows for accurate positioning of up to 8 detection zones. Once configured, TrafiCam provides an

output to the existing traffic signal controller each time a vehicle is present in a detection zone.

TrafiCam is the ideal solution for the following situations:

- For sites where the road surface cannot take loops (cobble/block paving/poor surfacing)
- Where the disruption of traffic management when cutting loops is unacceptable
- Where the approach road is private (i.e. retail access)
- Where there is uncertainty over vehicle waiting location for call/cancel loops (TrafiCam virtual loop positions can be altered in software)
- Where the cost of installing ducting and cable to remote detectors is prohibitive (e.g.MOVA IN loops or SCOOT loops)
- To replace an MVD + stop line loop combination on simple side road approaches with a single unit
- Uni-directional applications

Benefits

There are a number of benefits to installing TrafiCam to replace existing loop technology. These include:

Operational costs – Loops require replacement every few years which is costly and disruptive. TrafiCam will not require replacement every time there is damage to a road surface. A TrafiCam site configuration can be saved to ensure easy set-up should a surface or junction layout change, or a like for like replacement of TrafiCam be required.

Multiple loop detection – TrafiCam can replace up to 8 loops with a single unit.

Around the clock detection – TrafiCam will continue to detect vehicles during re-surfacing or signal replacement schemes and day or night.

No new communications required – TrafiCam can communicate to an existing traffic signal controller using spare cores within a signal head.

Easy movement of loops – Should you not be getting the best detection from your initially defined loops, the TrafiCam PC tool makes it easy to move each loop and test to ensure maximum detection is achieved.

Deployment

There are currently in excess of 20,000 installations of TrafiCam in more than 60 countries worldwide. **telent** has introduced Traficam to the UK urban market with installations in Glasgow, Cumbria, Kent and Bradford to name a few. All installations have proved successful and the investment already justified where loops would have required further replacement.

Future vision

telent continues to successfully deploy TrafiCam into the urban sector. We are also in the process of trialling TrafiCam as a replacement for Motorway Incident Detection (MIDAS) loops.



To find out how TrafiCam can bring benefits to you, contact us at: traffic@telent.com