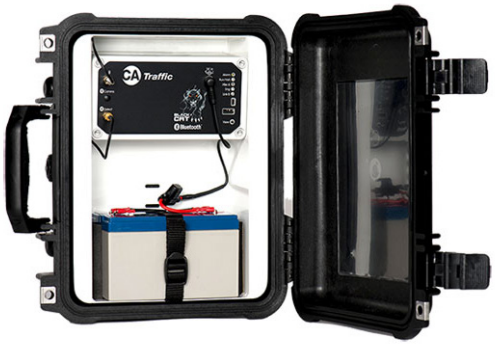
TrafficRadar

DATASHEET

Above Ground Vehicle Count, Speed and Classification



KEY FEATURES

- Accurate measurement without in-ground sensors
- Very easy to install
- Manages two lanes of traffic
- Wide range of survey and communications options
- Robust and weatherproof design

The TrafficRadar is designed and optimized for Smart City applications:

- Temporary or periodic counting
- Permanent counting
- Traffic information systems

Non-intrusive technology

The TrafficRadar unit allows for the collection of traffic data without the need for in-road sensors. The product can monitor two lanes with traffic in opposite directions or with both lanes in the same direction. The advanced embedded algorithms ensure that the vehicle length measurement is highly accurate, allowing for VBV classification.

The device can either be battery powered for short term surveys or can be solar powered for permanent installations. Units comes with a 3G/4G modem and users can specify the way data is collected. It can record either VBV or binned data and can log the data both historically and in real-time. In historical mode the TrafficRadar waits for the user to collect the data, in real-time mode it sends the data automatically to the server at user configurable time periods.

Cost effective installation

The TrafficRadar is a single integrated unit without need for in-ground sensors which makes it easy and quick to install and easy to move.

The unit has Bluetooth for installation and configuration. It is supported by EasySetup, a modern and very well-designed Android app for setup. Alternatively, the COLLECT software provide a simple user interface for the configuration and management of the device. This provides all the tools needed for site installation and commissioning, site validation and fault diagnostics as well as manual data collection if required. TrafficRadar is compatible with all TagMaster Traffic Monitoring software products and is UTMC compatible in conjunction with the Catalyst. The middleware EasyData offers a Rest API running as a Docker image.

The TrafficRadar can either be used for permanent or temporary installations. The ease of installation means units can be installed and removed quickly and easily, allowing for rapid deployment on existing street furniture.

PART NO. INFORMATION	DESCRIPTION
10709, TrafficRadar	Radar with Bluetooth and 4G modem
10119, UK Accessory Kit	Optional accessories
10699, European Accessory Kit	Optional accessories

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TECHNICAL INFORMATION

Configurations	:	2 lanes. Support bi-directional traffic and two lanes same direction
Bi-directional Traffic	:	Volume - 98% accuracy with a 95% confidence Speed - +/-2mph or 3% wichever is greater Length- +/- 40 cm or 5% wichever is greater with a 95% confidence
Dual Carriageway Traffic	:	Volume - 97% accuracy with a 95% confidence Speed - +/-2mph or 3% wichever is greater Length- +/- 40 cm or 5% wichever is greater with a 95% confidence
Operating time	:	Depending on battery/solar options
Data storage	:	4GB (approx. 200,000,000 vehicles)
Number of files	:	Maximum 256 data files
Surveys Supported	:	Historical VBV, Historical Binned, Real-time VBV, Real-time Binned
Operating Voltage	:	12Vdc
Temperature	:	-25°C to +70°C (Depending on batteries used)
Dimensions	:	36x32x23 cm
Weight	:	6.1kg (excluding battery)
SW Support	:	EasySetup Android App and/or Collect PC application for configuration and setup. EasyData or Catalyst for data collection and system integration
External Power	:	External Solar Panel or external 12V battery charger
Communication	:	Bluetooth/GSM/GPRS/3G/4G
Approval	:	CE and FCC

Due to TagMaster's continuous effort to develop the products in response to customer needs, the above specifications are subject to change.

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