CA Traffic have been supplying traffic counting and classifying equipment to transport engineers for over 20 years and offer a wide range of equipment, from temporary traffic count surveys to permanent speed and classification installations.

The CA Traffic range of permanent loop counters can monitor traffic in up to 8 lanes using all known combinations of loop arrays. Devices utilise inductive loops cut into the road surface connected to roadside cabinets housing the counter/classification device.

The Loop Recorder (LR) is available for volume only recording for up to 8 lanes of traffic. The Speed, Length, Classifier (SLC) can accurately record vehicle flows, speed and length across 4 lanes.

The Loop Profiler (PRO) allows vehicles to be classified to tables such as EURO6 from inductive loops, by measuring the chassis height/characteristics as well as the vehicle length which enables buses, vans, cars, motorbikes, and HGVs etc to be detected and classified using the unique algorithm within the loop detector.

For real-time monitoring utilising GPRS technology the Traffic Monitor can be used. This unit can provide instant alerts to congestion, loop or outstation problems and via a Catalyst instation system will populate the VDA-Pro database automatically.

Each of the loop counters is extremely low powered and can be operated year round from a single solar panel and inverter.

Furthermore, CA Traffic provide our own loop and equipment installation teams to complete all works required.
Loop Recorder

- Up to 4 loop inputs (across up to 8 lanes)
- Single loop volumetric vehicle counting
- 6 week battery life, solar option available
- Real time GPRS/GSM capability for transmission of data from roadside

Speed, Length Classifier

- Up to 8 loop inputs (2 per lane)
- Speed, count & vehicle length classification
- 6 week battery life, solar option available
- Real time GPRS/GSM capability for transmission of data from roadside

Loop Profiler

- Up to 8 loop inputs (2 per lane)
- Speed, count, gap, headway & vehicle profile classification
- 6 week battery life, solar option available
- Real time GPRS/GSM capability for transmission of data from roadside

Traffic Monitor

- Up to 8 loops inputs (2 per lane)
- Speed, count and classification data
  - Automatic alerts if speed or occupancy threshold are broken
  - Automatic alerts to fault or power issues
- Solar or mains power required
- Real time GPRS/GSM capability for transmission of data from roadside