



## Double laser scanner

The LSR2001-DOUBLE sensor uses two laser scanners to detect vehicles. Compared to other technologies, this sensor is able to detect vehicles with high precision and resolution. LSR2001-DOUBLE is able to accurately measure vehicle profiles and is therefore the ideal tool for applications where precise vehicle classification is required. It is able to distinguish more than 20 classes of vehicles including: motorcycles, cars, vans, trucks, lorries, articulated lorries and buses.

The LSR2001-DOUBLE is composed by a master and a slave sensor. The master, which contains the CPU, gets the data from the slave and combines it with his own data. The master sensor makes vertical scans and is mainly in charge of counting, classification and triggering. The slave is rotated to detect the vehicle at a certain distance from the master and is used, in combination with the master, to measure speed and length. The orientation of the slave detector depends on the installation height of the detector.

LSR2001-DOUBLE provides the following data:

- Counting
- Speed
- Length
- Height
- Class
- Traffic status
- Trigger for cameras

### APPLICATIONS

- Toll
- Traffic monitoring (ITS)
- Vehicle profiling
- Maximum height relief
- Vehicle classification
- Trigger for cameras



## LSR2001-DOUBLE

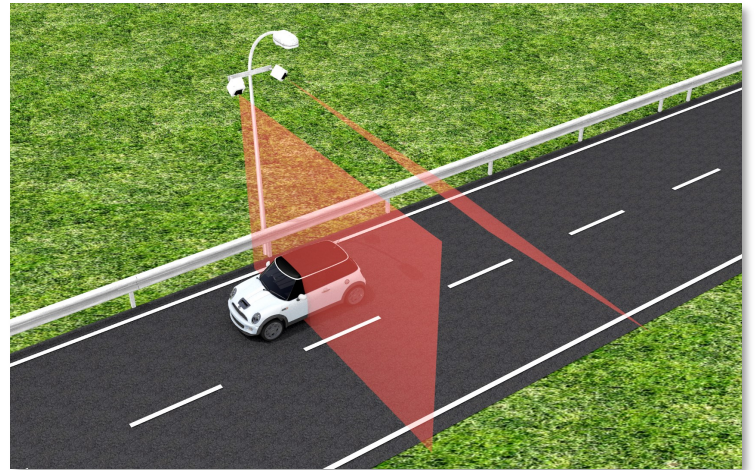


Figure 1: Side of road installation

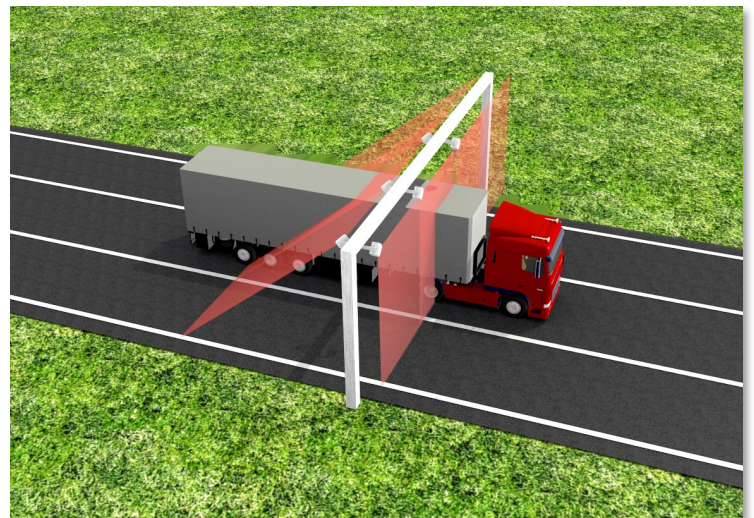


Figure 2: Multilane installation