

LSR2001

Laser Scanner

comark

Accurate counting & classification with event trigger

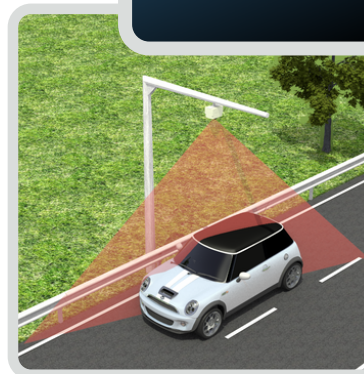
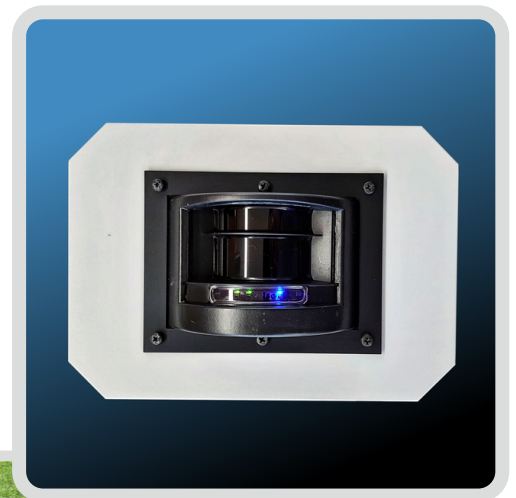
LSR2001 is a sensor for vehicle detection based on the laser scanner technology. Compared to other technologies, this sensor is able to detect vehicles with high precision and resolution. LSR2001 is able to accurately measure vehicle profiles and is therefore the ideal tool for applications where precise vehicle classification is required. It is able to distinguish more than 20 classes of vehicles including:

- Motorcycles
- Cars
- Vans
- Trucks
- Lorries
- Articulated lorries
- Buses

The sensor has been designed, in both the mechanical and firmware side, to operate outdoor, even in adverse weather conditions. The firmware has in fact filters for rain and snow.

The scanner optic is different from other products on the market, because it consists of two physically distinct areas for laser transmission and reception, making it particularly immune to the opacity produced by dust, water and pollution.

The sensor is equipped with a CPU that processes the signals received from the scanner to obtain all the data related to the transited vehicle. The communication with the sensor takes place via Ethernet line and it can be configured through simple and intuitive web pages.



Oblique installation



Transversal installation

Comark srl

Registered Office:
Strada delle Betulle, 89
33030 Campofornido (UD) Italy
info@comarkud.it
P. IVA 02327660300

Headquarters:
Via Galileo Galilei, 5
33010 Tavagnacco (UD) Italy
Tel. +39 0432 882105

www.comarkud.it



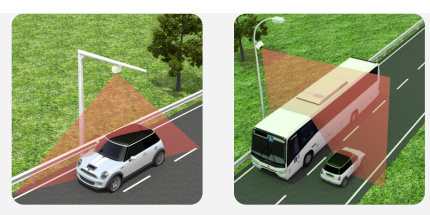
LSR2001

Laser Scanner



Accurate counting & classification with event trigger

| | |
|--------------------|---|
| Technology | Laser scanner |
| Emitted Light | 905 nm not visible |
| Laser class | Class 1 |
| Scan angle | 96° |
| Scan period | 16 ms |
| Transmission power | 16 dB |
| Communication line | Ethernet |
| Power consumption | < 5 W |
| Power supply | 12 ÷ 28 Vdc |
| Protection | IP65 |
| Temperature range | LSR2001: -20°C ÷ +50°C LSR2001T: -40°C ÷ +60°C |



Oblique Transversal

| | | |
|---------------|-------------------------------------|-------------------------------------|
| Counting | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Speed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Height | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Vehicle class | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Length | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Gap | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headway | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

APPLICATIONS

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

ACCESSORIES

- Mounting Brackets
- Environmental Protections
- Stainless Steel Casing
- Router
- CO1010 Control Unit

Comark srl
Registered Office:
 Strada delle Betulle, 89
 33030 Campoformido (UD) Italy
 info@comarkud.it
 P. IVA 02327660300

Headquarters:
 Via Galileo Galilei, 5
 33010 Tavagnacco (UD) Italy
 Tel. +39 0432 882105

www.comarkud.it

