



LZR[®]-FLATSCAN VS305

Laser scanner for vehicle separation



APPLICATIONS

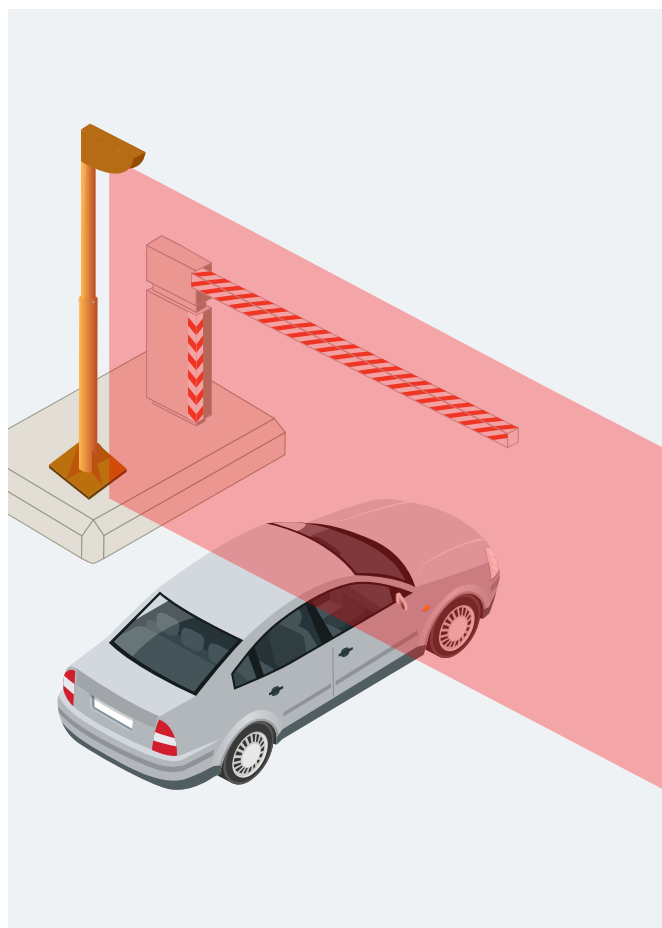


TECHNOLOGY

Laser

DESCRIPTION

LZR[®]-FLATSCAN VS305 is a time of flight (ToF) based Laser scanner with a flat, compact and self-transceiver design. It can be used for vehicle separation and vehicle anti-tailgating via the detection of vehicles passing through entrances and exit barriers.

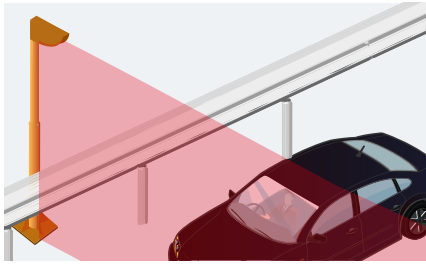


FEATURES

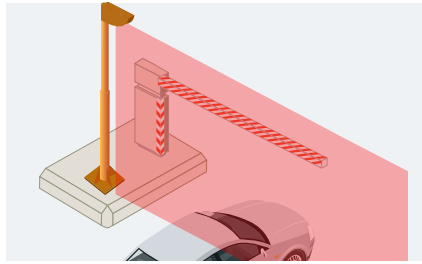
- Aesthetic, flat and compact design, laser technology to detect vehicles as a perfect replacement of light curtain and loops.
- Robust design, suitable for outdoor installation.
- Easy to define the detection field with a teach-in. And an outstanding feature with the fast response time and the high angular resolution.
- Time of flight technology combined with a dedicated software guarantees high immunity to environment disturbances (such as sunshine, rain, snow, plenty of water and etc.) and impure background.

APPLICATIONS

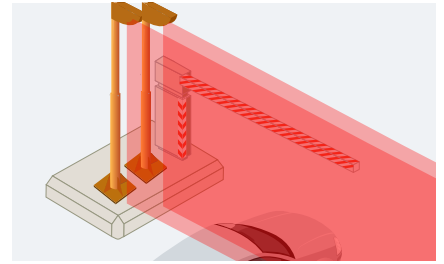
Vehicles separations application for those passing the entrance & exit barriers from highway toll-gates.



One-Spot Installation.



Typical installation on a traffic island.



Installing two laser scanners adjacent provides unidirectional counting*.

ACCESSORIES**



FS VS305 Bracket

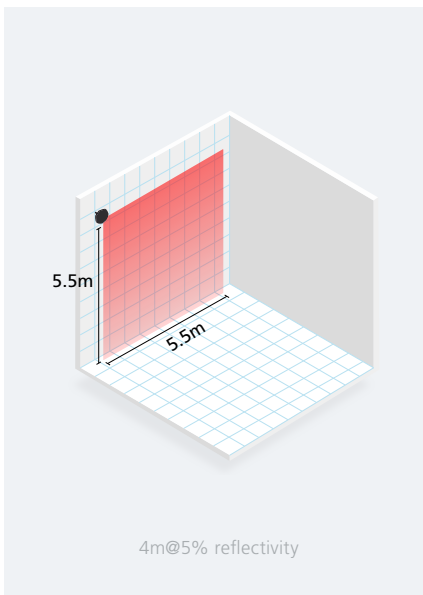
* Counting needs to be set up logically in application software.

** Optional accessory, please consult the local sales.

INSTALLATIONS

- Self-transceiver design, one-spot installation, convenient for wiring and adjustment.
- Visible spots help with the position of the curtain quickly.
- Self-learning of the physical boundary of the detection field by teach-in.
- Easy to adjust the parameters with remote control.

TECHNICAL SPECIFICATIONS



Technology	LASER scanner, time-of-flight measurement (ToF)
Max. detection range	Max. 5.5m*5.5m (4m@5% reflectivity)
Opening angle	90°
Angular resolution	0.23° (Max 400 spots within 90°)
Supply voltage	12-24V DC ± 15%
Power consumption	≤ 2.3W, peak current: 1A
Temperature range	-30°C to +60°C if powered, -10°C to +60°C if reserved
Humidity	0-95% non-condensing
Vibrations	< 2G
Dimensions	124 mm (L) × 90 mm (H) × 50 mm (D) (without bracket)
Cable length	10m
Norm conformity	IEC 60825-1; EN 60950-1; EN 61000-6-2; EN 61000-6-3; EN 60529

Specifications are subject to change without prior notice. All values are measured in specific conditions.

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