



Puertas & Portones Automáticos, S.A. de C.V.

*¡Nuestra pasión es la Solución!....*

# LZR®-FLATSCAN VS305

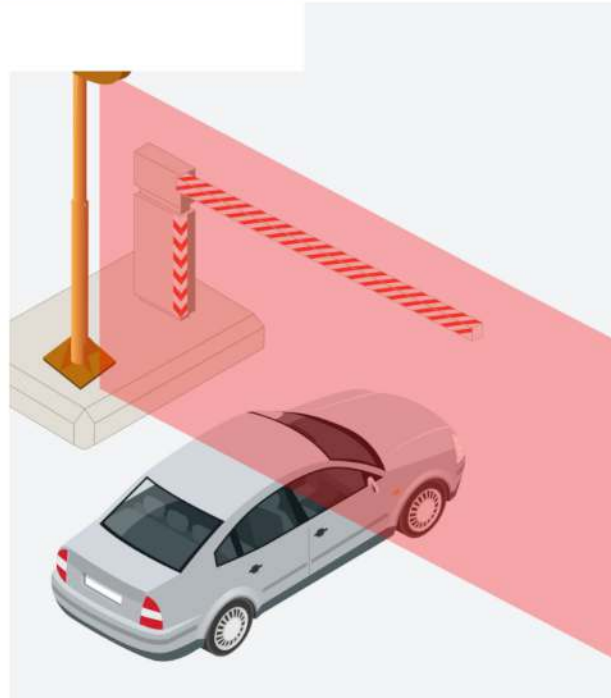
## Laser scanner for vehicle separation

### APPLICATIONS



### TECHNOLOGY

Laser



### DESCRIPTION

**LZR®-FLATSCAN VS305** is a TOF based Laser scanner with a flat, compact and self-transceiver design. It can be used for vehicle separation and vehicle anti-trailing 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.
- IP66 protection degree, suitable for outdoor installation.
- Easy to define the detection field with a teach-in. Thanks to the fast response time and high angular resolution, it could effectively detect and identify the trailer.
- 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.

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V05.23

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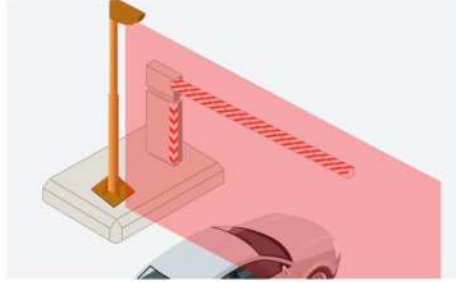
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## APPLICATIONS

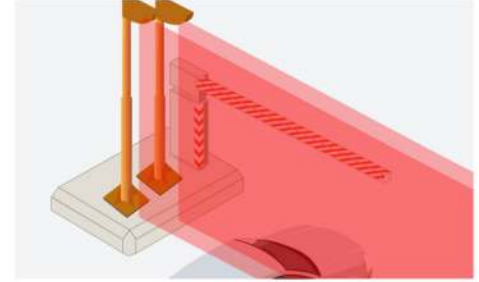
Vehicles separations application for those passing the entrance & exit barriers from highway toll-gates.



One-Spot Installation.



Typical installation on a traffic island.



Installing two lasers adjacent provides unidirectional counting\*.

## ACCESSORIES\*\*



**FS VS305 Bracket**  
Bracket Accessory for  
LZR range.

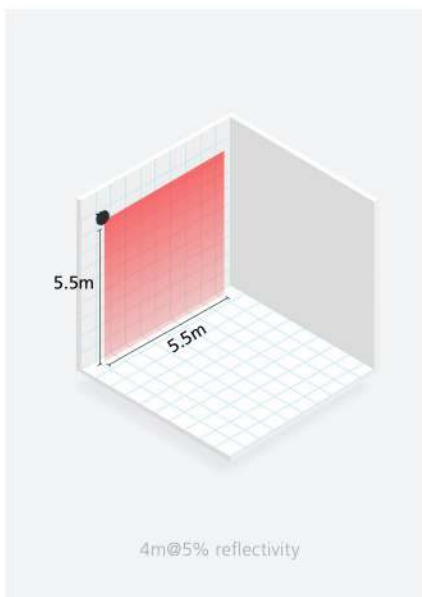
\* Counting needs to be set up logically in application software.

\*\* 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



<b>Technology</b>	LASER scanner, time-of-flight measurement
<b>Max. detection range</b>	Max. 5.5m*5.5m (4m@5% reflectivity)
<b>Opening angle</b>	90°
<b>Angular resolution</b>	0.23° (400 spots within 90°)
<b>Supply voltage</b>	12-24V DC ± 15%
<b>Power consumption</b>	≤ 2.3W, peak current: 1A
<b>Temperature range</b>	-30°C to +60°C if powered, -10°C to +60°C if reserved
<b>Humidity</b>	0-95% non-condensing
<b>Protection degree</b>	IP66 (EN 60529)
<b>Vibrations</b>	< 2G
<b>Dimensions</b>	124 mm (L) x 90 mm (H) x 50 mm (D) ( without bracket )
<b>Cable length</b>	10m

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

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