

LISENS *scan*

Smart radar technology for barrier applications

LISENS scan is the smart radar sensor for reliable vehicle detection at barriers. Its state-of-the-art radar technology replaces traditional induction loops and enables quick installation without the need for extensive road-cutting work. Virtual detection zones and a simple configuration via Wi-Fi ensure maximum flexibility and reliable operation – in all weather conditions.





YOUR BENEFITS

3 virtual detection zones

The system supports up to three freely configurable zones (virtual induction loops) each measuring up to 12m x 12m, offering maximum flexibility for a wide range of applications.

Save on installation costs

Compared with conventional installations using induction loops, immediate cost savings can be achieved. Extensive road work and the associated installation costs are completely eliminated.

Flexibility during installation

The robust, swivelling sensor bracket allows for precise and flexible alignment of the sensor.
Alternatively, LISENS scan can also be integrated into custom brackets or directly into the barrier housing.

Maximum range

A 13 m range and 120° × 40° detection angle allow for reliable monitoring and maximum flexibility in zone configuration, even on large barrier systems.
By connecting a second sensor to the control unit, the monitoring area can be expanded even further, allowing traffic from both directions to be detected and controlled by a single system.

Reliable even on inclines

Whether on a sloping multi-storey car park ramp or mounted on an incline, LISENS scan delivers reliable detection. Its flexible sensor alignment ensures precise detection even in challenging installation conditions.



TECHNICAL SPECIFICATIONS

Detection principle	60 GHz FMCW radar
Horizontal field of view	120°
Vertical field of view	40°
Detection range	13m
Safety	D-type device in accordance with EN 12453
Configuration	via direct Wi-Fi connection
Outputs	redundant safety relays 3 solid-state relays (SSR)
Virtual zones	1 x safety zone 2 x comfort zones
IP rating (sensor)	IP 67
Max. zone size	up to 12 m x 12 m

WHY CHOOSE LISENS *scan*?

One system for all applications
Whether with a folding skirt, support post or a pendulum support – LISENS scan can be flexibly adapted to a wide variety of barrier systems and requirements.

Precise object recognition
LISENS scan's object recognition capability enables it to distinguish between vehicles, people, and other objects. Combined with the integrated direction detection, it offers a wide range of customisation options, allowing various functions to be implemented on the barrier.

Extensive customisation options
Polarity, signal type, direction detection, interdependence between comfort zones or object selection – the three comfort outputs can be programmed individually, allowing you to adapt the system to local conditions and requirements.

Reliable operation in all weather conditions
LISENS scan is not only IP-rated for protection against environmental conditions, but also delivers reliable detection in all weather – from snow, hail and dust to falling leaves and heavy rain.

Intuitive configuration
LISENS scan can be easily configured with any Wi-Fi enabled device - no app or internet connection required. The user friendly interface enables quick set-up and easy adjustments.

Save more with multi-sensor applications
Up to 6 sensors can be connected to one control unit, making it possible to expand the monitoring and operational area even further while remaining cost-effective.

CONFORMITY

(EC) No. 1907/2006 **REACH**

DIN EN 12453 **Type D**

CE **2006/42/EC**

2014/53/EU **RED**

2011/65/EU; 2015/863/EU **RoHS**

Here you can find out more about LISENS® scan

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