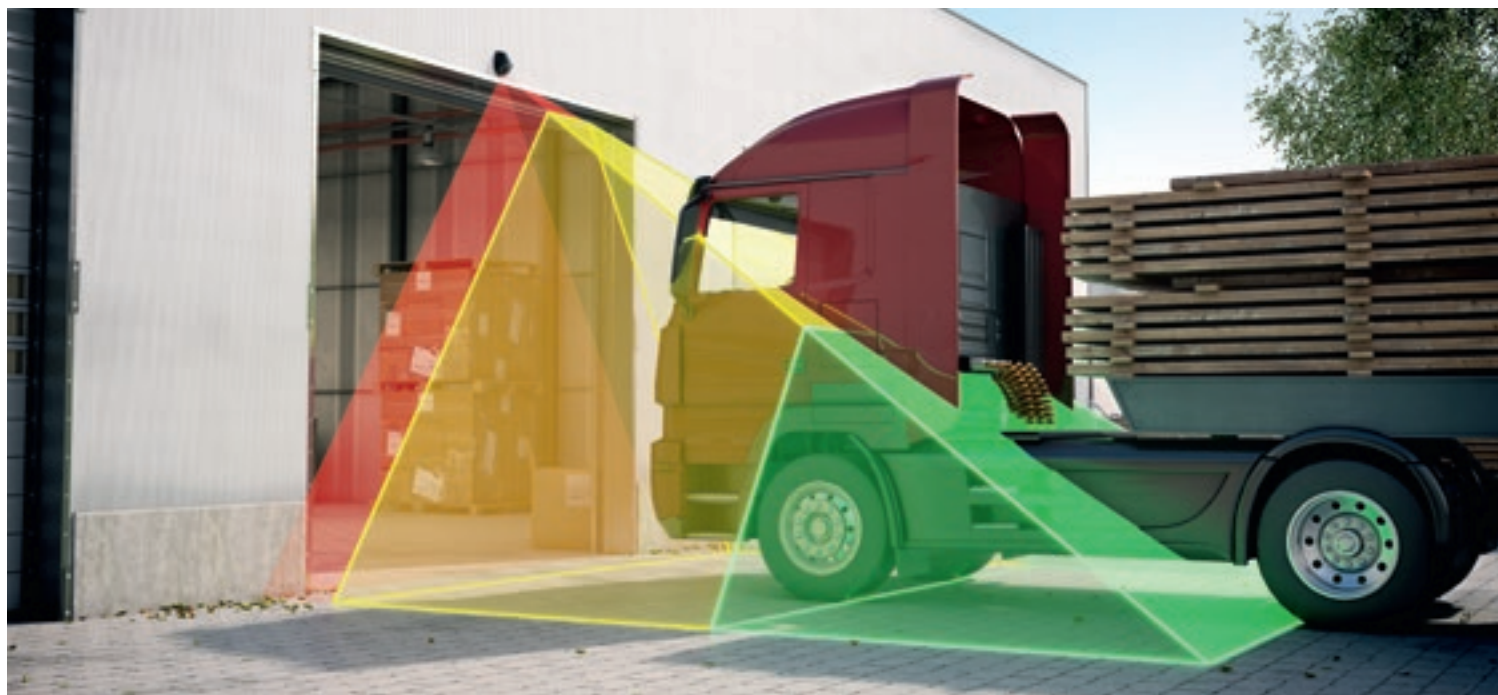


Guardian

ASSA ABLOY 3D Laser Scanner

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



Advantages:



- Door opening
- Entrance surveillance
- Safety around the doorway
- Maximum of 3 virtual pull switches

The intelligent opening, presence and protection sensor for high-speed doors

High-speed doors help to optimize business operations and save energy thanks to high operating speeds, intelligent safety standards and a choice of door way specific adaptable "safety and activation sensors". The opening command and safety sensors play a particularly important part.

The ASSA ABLOY "Guardian" is a laser scanner based on the principle of time-of-flight measurement. This involves the measuring of time it takes from sending out a high speed light to an object and the light returning to the sensor. This measurement of time is converted into a distance.

The laser sensor offers full 3-dimensional protection and can span large areas covering up to 6 x 6 meters. 3 different functions are controlled by the device: the door opening, entrance surveillance and safety in close proximity to the door leaf.

Besides supporting the flow of traffic, the laser also optimizes the building's energy consumption.

Technical data

Housing material	Black polycarbonate
Dimensions of housing, without screw connections (W x H x D)	150 x 200 x 100 mm
Voltage supply	12 V – 24 V AC +/- 10%; 12 V – 30 V DC +/- 10% on the sensor connection -30°C – +60°C
Protection class	IP 65
Installation height	2 m to 10 m (max. 6 m for optimum protection recording)
Response time	Type 80 ms, max. 800 ms
Max. Field of detection	Width: 1 x installation height Depth: 1 x installation height (can be configured and depends on the user settings)
Conformity	EN 61000-6-2; EN61000-6-3 EN 60950-1; EN 60825-1; EN 50581



ASSA ABLOY Guardian

Special features

- Analysis of direction, size and speed of the objects
- Ideal alternative to the use of induction loops
- High protection class



Energy savings

By detecting the direction of a vehicle or person, it is possible to block out any parallel traffic and filter pedestrians which means the door is only opened when needed. This saves energy. Additionally three individually positioned virtual pull switches are programmable to open the door (blue markings).



● Opening ● Entrance surveillance ● Safety around the threshold

3D recording

The use of laser technology guarantees accurate distance measurement. The sensor uses this to produce a three-dimensional field of vision to calculate the precise measurements of an object, its direction as well as speed.