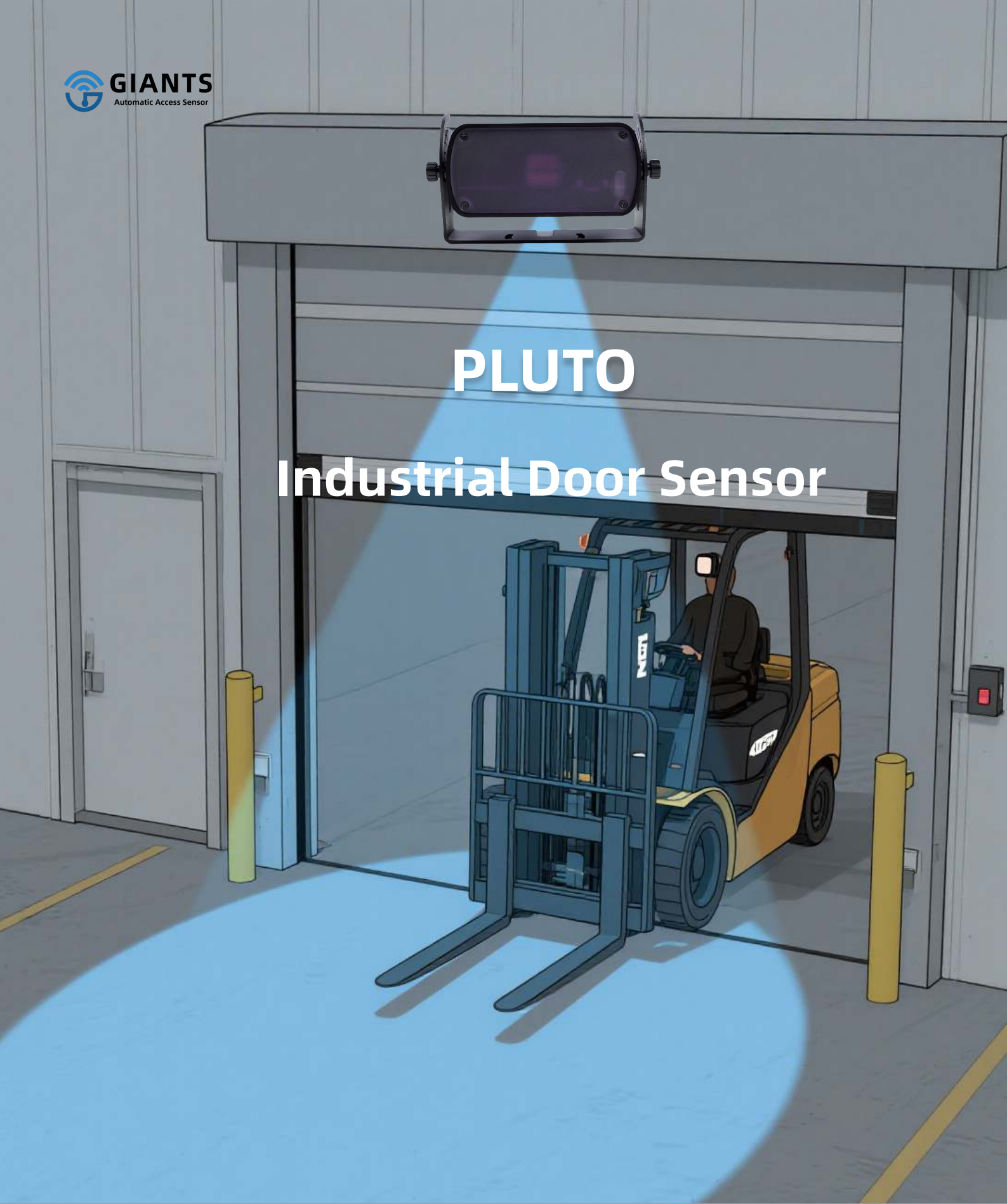




The illustration shows a grey industrial warehouse door. A blue sensor beam, represented by a cone of light, originates from a black sensor unit mounted on the top of the door frame. The beam extends downwards, passing over a yellow forklift that is positioned inside the open doorway. The forklift is blue and yellow, with a driver visible in the seat. The beam continues to the floor, creating a large, light-blue oval area. To the left of the door is a smaller white door. To the right, there is a red emergency stop button on the wall and two yellow protective bollards on either side of the door opening. The floor is grey with yellow safety lines.

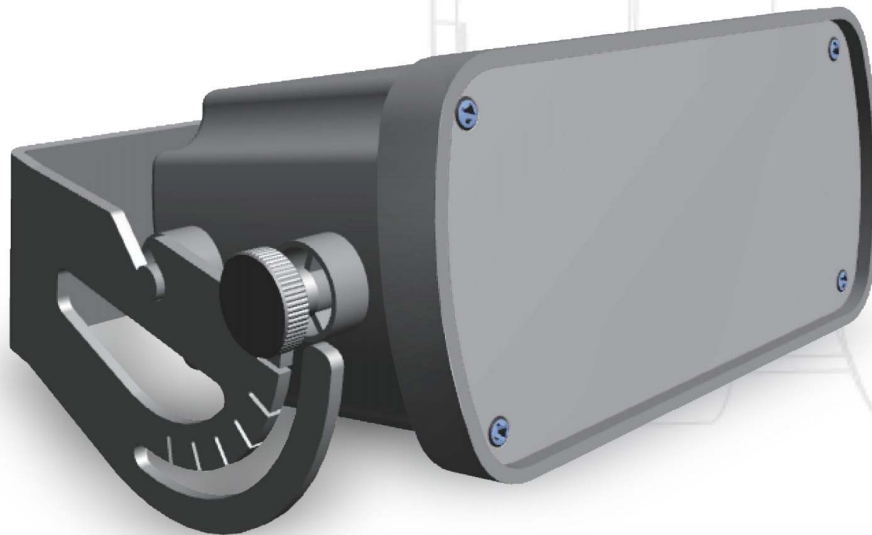
PLUTO

Industrial Door Sensor

Giants Sensor Technology

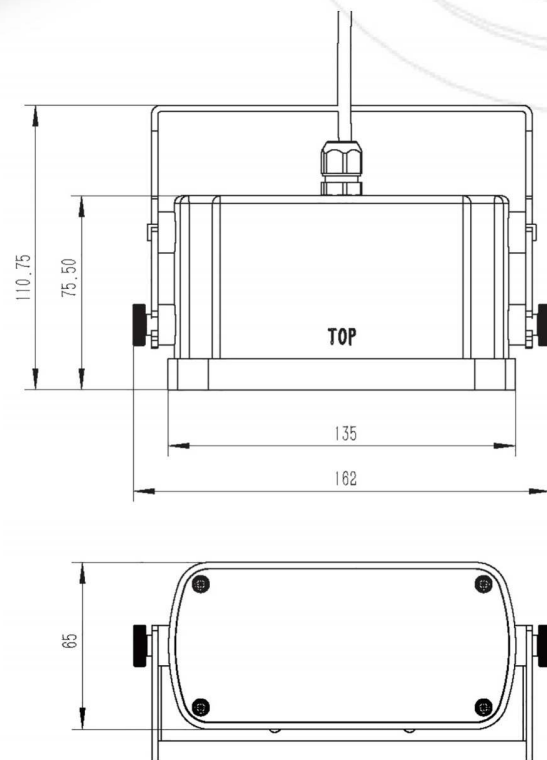
PLUTO

Industrial Radar



Features

- Two independent outputs, separate detection of pedestrians and vehicles
- Cross traffic masking
- Detects slow-moving vehicles
- Mounting height: 2.5m-9m
- Detection area max. 6.5mx8.5m



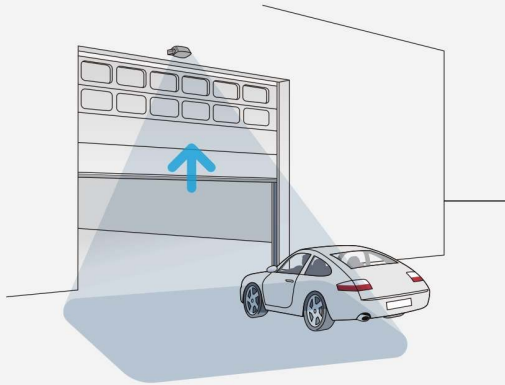
Advantages

- IP65 protection rating
- Quick setup by App
- Allow half-open door for pedestrians/
full open door for vehicles
- Widely used in industrial door/
cold storage door/industrial warnings...



Applications

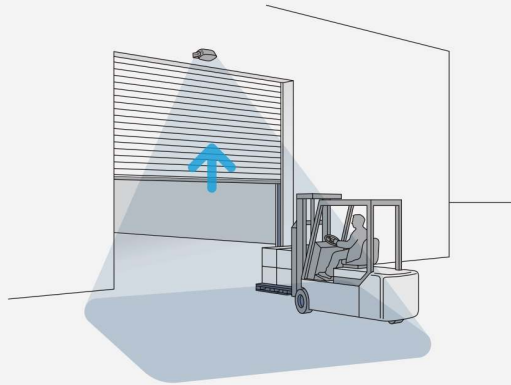
Fast door



Solutions and Advantages

- Reliable opening to ensure passage
- Filtering out lateral vehicles to reduce unnecessary door openings
- Identifying direction to minimize door openings
- Saving energy for the factory

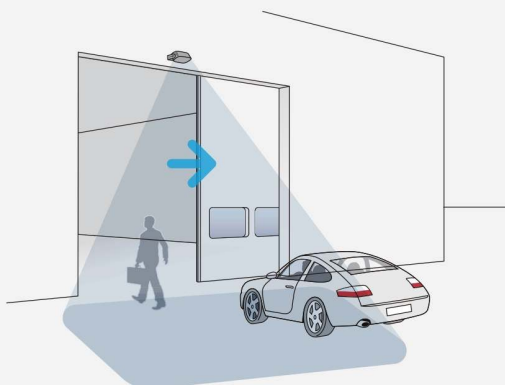
Roller shutter



Solutions and Advantages

- Large detection area
- Fine-tuned with 9-level detection zones
- Recognizes humans or vehicles and selects appropriate door opening
- Can achieve partial door opening for pedestrians and full opening for vehicles

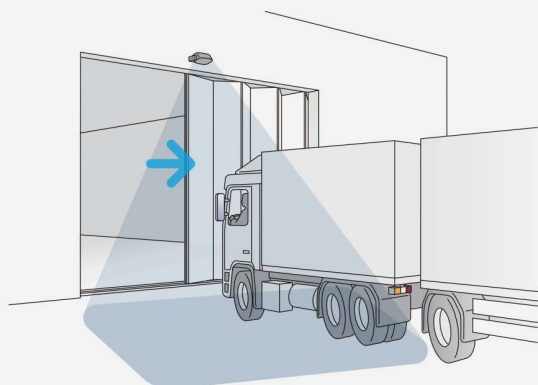
Sliding door



Solutions and Advantages

- Dual-channel independent output
- Filtering lateral motions to reduce unnecessary door openings
- Detection of slow-moving vehicles
- Identification of pallet trucks and forklift front forks

Cold storage door



Solutions and Advantages

- Fearless of low temperatures, can operate normally at -30°C
- Unaffected by cold air interference
- IP65 waterproof and dustproof
- Reliable opening radar for cold storage

Technical data

Application technology

Doppler radar

Transmission frequency

24.125 GHz

Transmission power

<20dBm

Detection height

2.5m to 9m

Angle adjustment

0° - 180° longitudinal

Detection speed

5 cm/s ~ 25 km/h

Operation voltage

12 ~ 36 V AC/DC

Operation current

Max. 75 mA

Temperature range

- 30 °C to + 60 °C

Protection grade

IP65

Output

Max. 48 VAC/DC, Max. Current 1A

External dimensions

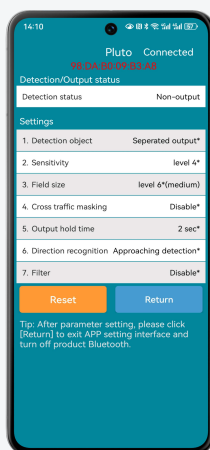
162mm x 110mm x 65mm

Cable length

6m

Sensor weight

600 g



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