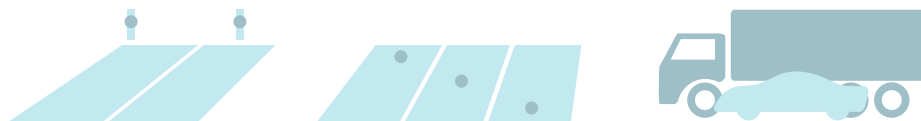


Smart Parking A121

Reference Application

EXPLORE THE NEXT SENSE

Thanks to its extremely low power consumption and aperture-less integration, Acconeer's pulsed coherent radar is a perfect fit for parking solutions indoors as well as outdoors. The featured **Obstruction Detection** helps getting around problems such as heavy rainfall. Use this reference application and the XM126 IoT Module to speed up development and shorten the time to get your parking solution to market.



Install the sensor on a pole or on the ground for vehicles with a ground clearance of 10 cm or higher.



Memory usage

| | |
|-------|---------|
| FLASH | 74 kB |
| RAM | 8-10 kB |

Power consumption
< 50 μ W @ 0.1 Hz

How we have tested

The XM126 is proven to give 100% detection success

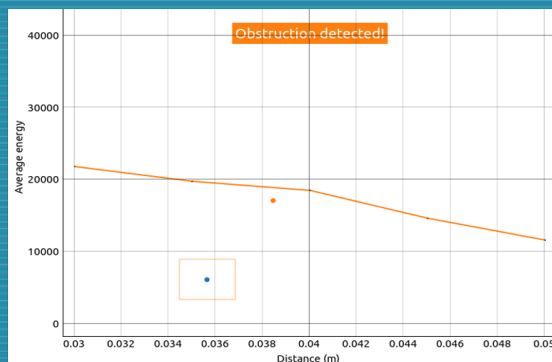
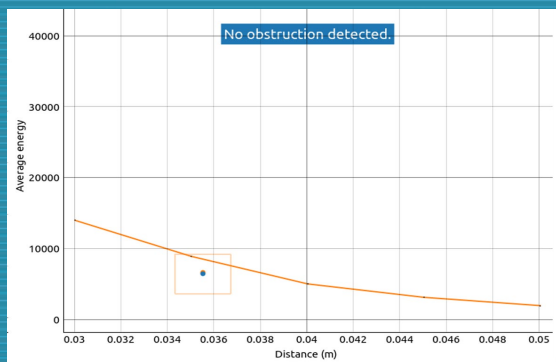
62 cm
10 cm

High span for tests

100 % detection when placed on the ground

100 % detection when placed on a pole

100 % accuracy when no vehicle is present



It is possible to set the sensitivity (threshold) for the obstruction detection. The graphs to the left show how this threshold (the orange rectangle) is visualized. When the orange dot has moved out of it, there is an obstruction.

Download SDK including reference application at:
developer.acconeer.com

