

acnRANGE

Beacon with distance sensor
The easiest way to measure from A to B



**MA:DE IN
GERMANY**

aconno™

acnRANGE

The acnRANGE is a fully integrated BLE sensor beacon that measures distance with a time of flight sensor up to 4 meters ($\pm 20\text{mm}$) with flexible arrangement of point of view by a configurable 16 x 16 SPAD diode array. acnRANGE is based on aconno's ACN52832 Bluetooth 5 module and designed to deliver sufficient processing power with ultra-low power usage and long battery life. Each beacon comes with a premium battery and packed in a solid, highly durable casing.

Use cases:

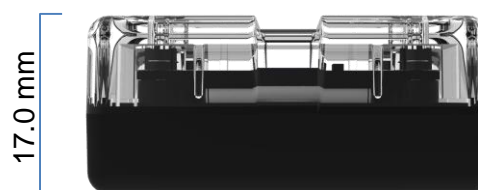
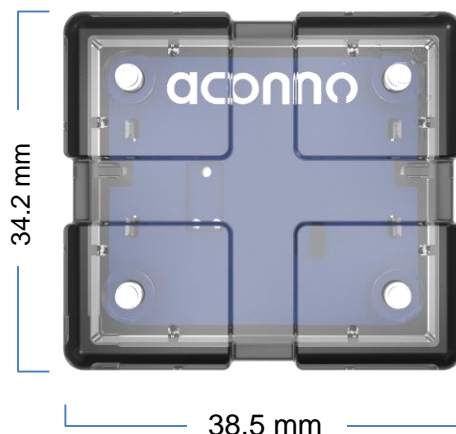
- Measuring distance (e. g. time of flight)
- 3D object and speed measurement
- Material wear
- Space (Parking lot) occupation
- Count items passing by or being still
- Speed measurement

Advantages:

- Supports the latest sensor technologies:
 - ST® VL53L1X distance sensor
- RGB LED for feedback
- Long battery life with premium CR2450 lithium battery
- Tag-Connect® interface for easy and fast programming
- Small and durable casing
- Adaptable settings to suit various use cases
- CE, CE RED, FCC, IC certified. RoHS compliant
- Free for individual programming, resources available at GitHub

Device Specifications:

- Connectivity: Bluetooth 5 / smart based on ACN52832 BT module
- Weight: < 25g
- Power supply: Premium CR2450 Lithium Battery 3V, 560 mAh
- Battery life: > 2 Year operation on 10 min. measuring intervals
- Enclosure: IP65
- User interface: Sensorics application on Google Play
- Resources: open source at GitHub



Let's do I(o)T together!

