

A111

Pulsed Coherent Radar



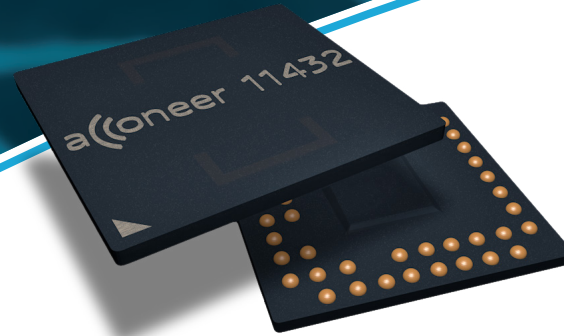
EXPLORE THE NEXT SENSE

The A111 Pulsed Coherent Radar (PCR) sensor is optimized for high precision measurement and detection - with a small footprint and ultra-low power consumption.

The A111 PCR is based on cutting-edge patented sensor technology with picosecond time resolution, capable of measuring distance with mm accuracy up to a range of 2 meters.

Due to its small footprint the A111 PCR can be easily integrated into any portable battery-driven device, without any need for visible aperture.

The A111 radar sensor is not compromised by any natural source of interference, such as noise, dust or light.



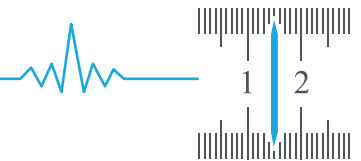
The A111 Pulsed Coherent Radar by Acconeer

The new benchmark for mmWave radar accuracy, footprint and power consumption.

APPLICATIONS

Distance

- High precision distance measurement with high update frequency
- Single and multiple object detection
- Configurable measurement range



Motion

- Gesture control
- Monitoring vital life signs, such as breathing and pulse
- High precision motion and speed detection



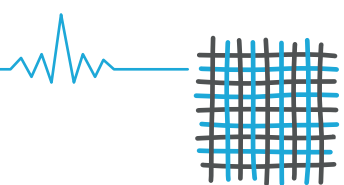
Position

- 2D and 3D object tracking

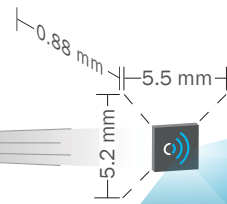


Material

- Material identification



Evaluation Kit available



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