

# A121

## Pulsed Coherent Radar

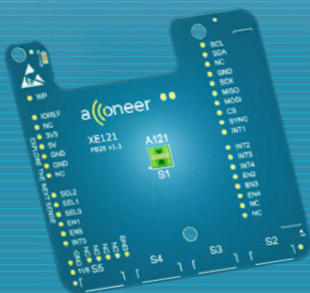
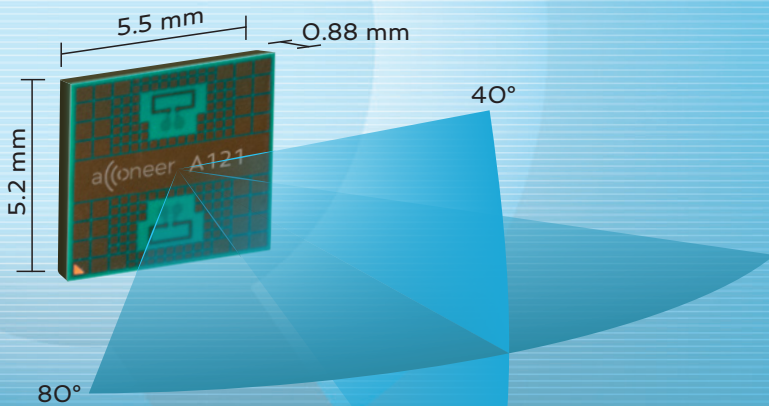
### EXPLORE THE NEXT SENSE

The A121 Pulsed Coherent Radar (PCR) sensor is optimized for high precision measurement and detection – with a small footprint and ultra-low power consumption.

The A121 PCR is based on cutting-edge patented sensor technology with picosecond time resolution and sub-mm accuracy. Depending on use case, distances up to 20 meters can be measured.

Due to its small footprint, the A121 PCR can be easily integrated into any portable battery-driven device, without any need for aperture.

The A121 radar sensor is not compromised by any natural source of interference, such as noise, dust or light.



Evaluation kit and developer tools available online

### APPLICATIONS



#### CONSUMER ELECTRONICS

- Smart presence – Human presence and motion detection
- Robotics – Material classification and object detection
- Vital signs detection
- Gesture control and touchless buttons



#### IoT & SMART CITIES

- Parking solutions
- Level monitoring
- Liquid surface velocity measurement
- Structural integrity
- People counting



#### INDUSTRIAL & AGRICULTURE

- Proximity and distance sensing
- Vibration measurement



#### AUTOMOTIVE

- In-cabin monitoring
- Access control and human interaction