

uRAD

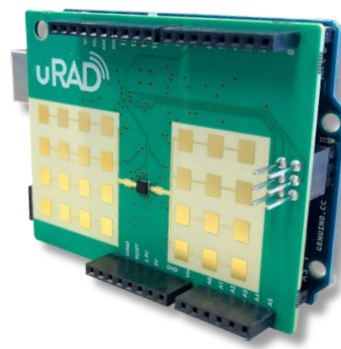
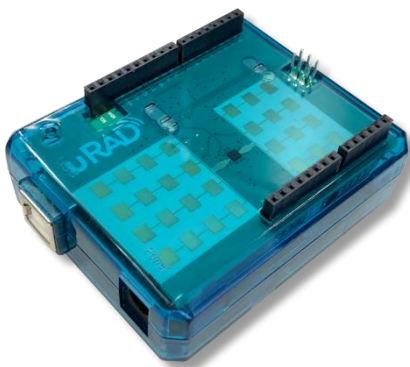
The power of RADAR, the power of YOU



uRAD SHIELD

“Development Platform for Radar Applications”

uRAD SHIELD transforms your Arduino or Raspberry Pi into a completely functional microwave radar operating at the 24 GHz ISM free emission frequency band.



APPLICATION DEVELOPMENT FOR ALL

- Conceived as a creativity device, uRAD SHIELD offers high-performance radar technology to developers, makers and students of all ages.
- Measuring distance, velocity and presence, you will develop new and innovative applications thanks to the easy programming of Arduino and Raspberry Pi.
- UAV/drone altimeter and collision avoidance, traffic speed meter, car parking, autonomous driving, home security, access control, vital signs monitoring, etc. a whole new world of applications in front of you.
- uRAD platform provides full hardware and software guides even educational courses to bring radar knowledge closer to everyone.

3 sensor in 1

- ▶ Distance: 0.45 to 100 m
- ▶ Velocity: up to 270 km/h
- ▶ Presence

Features

- ▶ ± 0.04 m & ± 0.05 m/s accuracy
- ▶ 5 different targets detection
- ▶ 4 operation modes (doppler and FMCWs)
- ▶ 0.85 W power consumption
- ▶ Plug & play
- ▶ 38 measurements per second
- ▶ Output RAW data

