

OmniPreSense's OPS241-A is complete short-range Radar (SRR) solution providing motion detection, speed, and direction reporting. All radar signal processing is done on board and a simple API reports the processed data. Flexible control over the reporting format, sample rate, and module power levels are provided.

The OPS241-A module can be connected to any Smart USB host (Raspberry Pi, Android device supporting OTG, PC or Mac) to enable an IoT sensor. Depending on the USB host's ability, further processing and/or communication to the cloud can be performed for further data analysis or networked action.

Features

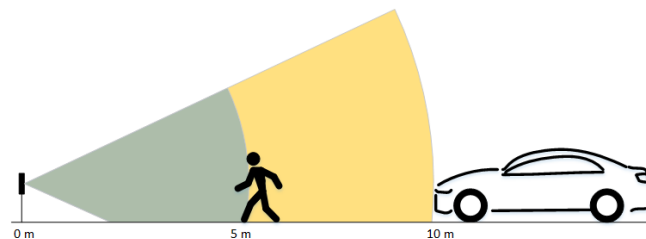
- 1-12m (3-40') detection range
- Speed reporting up to 138mph
- Speed accurate to within 0.5%
- Direction reporting (Inbound/Outbound)
- Wide 78° beam width (-3 dBm)
- USB interface
- Simple API control
- 1.4W Active power, 0.6W Idle power
- Small form factor 53 x 59 x 12 mm, 11g

Applications

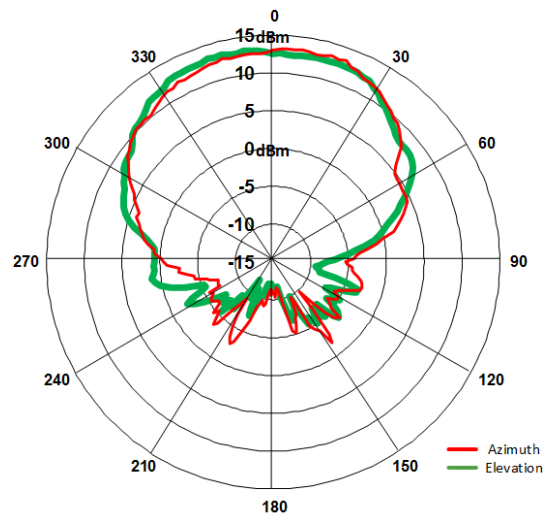
- IoT Sensor
- Collision Avoidance
- Motion Detection
- Radar Gun
- Robotic Control
- Traffic Monitoring
- Security Monitor



OPS241-A Module



Detection Range



Antenna Pattern

