

OmniPreSense's OPS7243 radar sensor provides a simple solution for motion detection, speed, direction, or range reporting. It comes in an all-weather IP67 enclosure for mounting outdoors. All information is provided over a USB interface which also provides power. A simple API provides control over the reporting format, sample rate, module power levels, and additional features. Low power mode is available for battery operation. The sensor carries full FCC/IC regulatory approval and comes with a USB cable.

Features

- 1-100m (3-328') detection range
- Speed reporting 138mph (222kmh) or higher
- Speed accurate to within 1mph (1.6kmh)
- Direction reporting (Inbound/Outbound)
- Range reporting
- Narrow 20° beam width (-3 dBm)
- USB interface with simple API control
- 1.7W Active power, 0.1W Low power mode
- Small form factor 130 x 130 x 35 mm, 311g

Applications

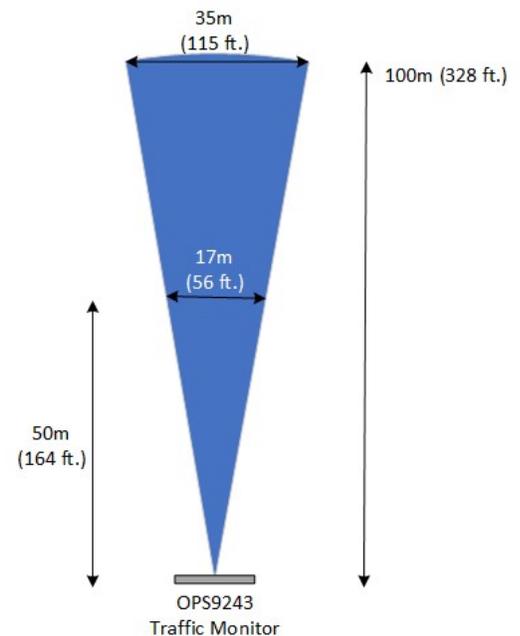
- Security Detection
- Traffic Monitor
- Object Counting

Functionality

- Motion
- Speed
- Direction
- Range



OPS7242 Radar Sensor



Field of View

Ordering Part Number

| Radar Sensor | Motion | Speed | Range |
|-----------------|--------|-------|-------|
| OPS7243-A-CW-RP | • | • | |
| OPS7243-C-FC-RP | • | • | • |

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