

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, RS-232, or WiFi interface. Power is provided over USB or RS-232 cable. 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 (OPS243-C pending).

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)
- RS-232 (M12) and 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 (People, Vehicles)
- Object Counting

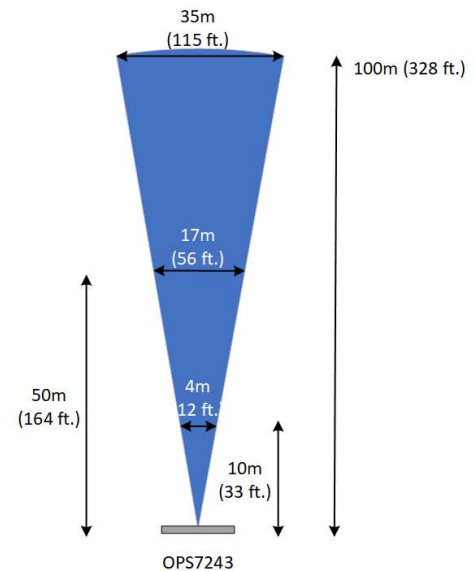
Functionality

- Motion
- Speed
- Direction
- Range

www.omnipresense.com



OPS7243 Radar Sensor



Field of View

Ordering Part Number

Radar Sensor	Interface	Motion	Speed	Range
OPS7243-A-CW-RP	USB	•	•	
OPS7243-A-CW-R2	RS-232	•	•	
OPS7243-C-FC-RP	USB	•	•	•
OPS7243-C-FC-R2	RS-232	•	•	•
OPS7243-C-FC-WB	WiFi	•	•	•

OPS-PB-008-C

Mouser Electronics

Authorized Distributor

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[OPS7243-C-FC-WB](#) [OPS7243-A-CW-WB](#)