



GuardBee

FPGA-based Ultra Low Power Motion Detector Module

Specifications

- Pulsed Doppler Radar sensor.
- Tunable detection range up to 10m.
- Single-board solution with onboard 20 MHz FPGA.
- 40mW power consumption, including 0.1mW FPGA consumption.
- Robust motion detection via our proprietary *Displacement Detection* algorithm that rejects most common sources of false alarms.
- Two-wire interrupt-style GPIO output for integration with external devices.
- SPI bus connection option for integration with external networking or microcontroller modules.

Applications

- People Sensing
- Occupancy Sensing
- Tripwire Counting
- Residential/Commercial Security
- Energy-aware Buildings



Application Features

- Ships with enclosure for Out-of-the-Box installation.
- No programming needed. No need for attached mote.
- Easily integrated with devices such as cameras or alarms.
- Low power and low profile, suitable for indoor and outdoor deployment.

\$149 in quantity 1, now shipping.