GroundAware® GA4000 Series of Surveillance Sensor Systems enables automated real-time monitoring of and response to physical security threats at critical sites. Out of the box, GA4000 systems offer:

- **New digital multi-beamforming radar system** for detecting and tracking intrusions as they happen (not just after the fact) – without false alarms on an automated, all-weather, and 24/7 basis
- **120°, 240°, and 360° field of view and 4 km range** for coverage of thousands of acres – saving cost and extending response times
- **Target classification** indicating target is human, animal, ground vehicle, or aircraft (drones, too) for focus on real threats
- **Alarm zones** customizable for focus on areas of concern and automatic triggering of deterrent and responsive actions
- **“Plug and play” integration** with cameras and systems for video management, physical security management, access control, etc.
- **Fusion of radar, video, and other data** into a single, easy-to-use web interface
- **Full one-year warranty** with 72-hour replacement in continental U.S. and extended warranty options; no service fee

**OVERALL SPECIFICATIONS**

- Architecture: simultaneous multiple beams
- Processing type: pulsed doppler
- Frequency band: S (3.156 to 3.25 GHz)
- Range resolution: 5 or 10 m (adjustable)
- Selectable frequency sub-bands: 10
- Weight: <50 lbs.
- Dimensions: 29.8” x 17.3” x 6.5”
- ADDED FEATURES: email/SMS text alerts; user-defined alarm and ignore zones; web, iOS/Android-compatible interface; wired or wireless data connectivity

**PERFORMANCE SPECIFICATIONS**

- Instrumented range: 100 m to 3.75 km
- Walker detection range: 2 km
- Vehicle detection range: 3 km
- Drone detection range: 1 km
- Power: <70 W @ 48 Vdc
- Coverage: 120° per face / 20° elevation
- Temperature: –50°C to +65°C / –58°F to +149°F
- Heating/cooling: passive

**120°, 240°, and 360° coverage for:**

- Substations
- Warehouses
- Farms
- Mines
- School or Corporate Campuses
- Data Centers

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