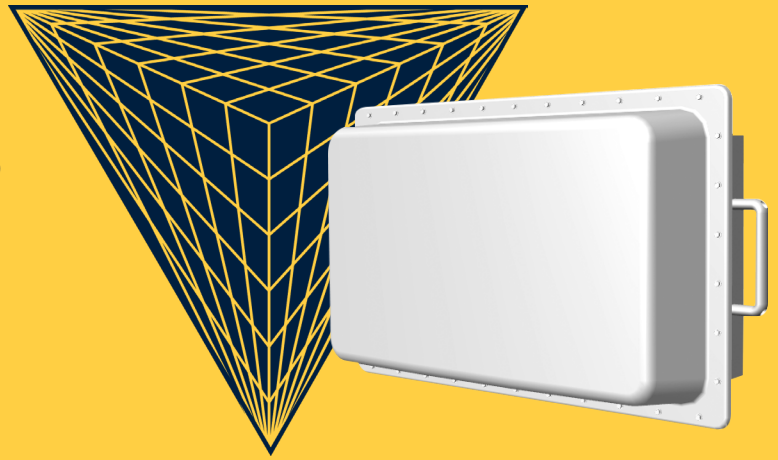


GROUND AWARE®

GA9000 Series



OVERALL SPECIFICATIONS

- Architecture: simultaneous multi-beam
- Processing type: pulsed doppler
- Frequency band: S (3.156 to 3.25 GHz)
- Range resolution: 10 or 20 m (adjustable)
- Selectable frequency sub-bands: 10
- Weight: <100 lbs. per face
- Dimensions: 36" x 22" x 9"
- Field of view/elevation: 360° / 20°

PERFORMANCE SPECIFICATIONS

- Instrumented range: 100 m to 15 km
- Walker detection range: 8 km
- Vehicle detection range: 13 km
- Drone detection range: 5 km
- Aircraft detection range: 15 km
- Minimum detectable velocity: 0.5 m/sec
- Power usage: <500 W per face @ 90-250 Vac
- Software-defined update rate: 4 Hz
- Coverage: 120° per face / 20° azimuth
- Temperature: -20°C to +50°C / -4°F to +122°F
- Heating/cooling: passive

GroundAware® GA9000 Series of Surveillance Sensor Systems introduces a new caliber of 3D ground surveillance capabilities that make GA9000 the optimal solution for detecting, tracking, and responding to threats on the ground and in low-altitude airspace. GA9000 offers long-range power for detecting, tracking, classifying, and responding to threats caused by humans, animals, ground vehicles, aircraft, and even Class 1 and Class 2 drones.

DISTINGUISHING GROUND AND AIR TARGETS

Going beyond most current ground surveillance radar systems, GA9000 measures elevations of 2D tracks of targets, which means the system can differentiate targets at height above ground level from targets on the ground. This enables the system to alarm only on targets of concern. This ability to measure elevation also means that GA9000 can direct accurate, long-range camera-pointing to enhance situational awareness. With GA9000, users can monitor low-altitude airspace for drones, then slew cameras to those real or potential threats for visual verification and other actions. And because GA9000 simultaneously tracks air and ground targets, the system can also track humans controlling drones in support of interdiction and investigation.

KNOW & RESPOND IN REAL-TIME.

GA9000 offers a comprehensive, event-based security approach that monitors critical areas 24/7, in real-time, and in all-weather. GroundAware's customizable platform allows users to detect and track intrusion events as they occur, then automate next steps for verification, deterrence, and interdiction of intruders.

120°, 240°, and 360° coverage for:

- Airports and Airfields
- Military Bases
- National Borders
- Ports
- Energy Pipelines



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