Automated surveillance of up to 2,000 acres with a single sensor

www.dynetics.com/groundaware
Protecting perimeters and grounds of critical infrastructure facilities is straightforward and affordable with GroundAware®.

A single sensor that easily integrates into facilities’ security plans, GroundAware automates real-time monitoring of extensive perimeters and sensitive areas. This fully reconfigurable system automatically detects targets and generates the actionable data and integrated live video needed to track, assess, and respond to the ground-based threats you are most concerned about.

What GroundAware offers...

- **Lower cost than other perimeter security solutions**
  Covers large area, saving significant cost versus other approaches using short-range radar, physical, and optical-only approaches

- **Reliability without typical false alarms**
  Scans entire field of view continuously to “learn” environment and provide reliable detection in all weather and lighting

- **Low-impact way to monitor huge areas**
  Monitors thousands of acres with single sensor for longest response lead times

- **Actionable information on potential threats**
  Classifies targets as human, animal, vehicle, or aircraft, enabling alarms and alerts on only targets of concern

- **Geo-fencing for intelligent alarms and alerts**
  Enables drawing of custom “alarm zones,” automating surveillance and eliminating costly human monitoring

- **Auto-slewing of cameras**
  SLEws cameras to track targets in real time

- **Easy integration**
  Integrates with cameras, video management systems, and other assets

- **Fast installation**
  Takes days to install, calibrate, and customize; requires minimal training

- **Minimal support**
  Uses no moving parts; supported remotely for timely, cost-effective service

- **“Hot swap” warranty**
  Provides replacement unit within 72 hours if needed (in U.S.)
Simultaneous multi-beam architecture
Frequency: S Band, 3.156–3.296 GHz
Processing type: Pulsed Doppler
Instrumented range: 100 m to 3.75 km
Walker detection range: >2 km
Field of view/elevation: 120° / 20°
Range resolution: 5 or 10 m (adjustable)
Minimum detectable velocity: 0.5 m/sec
Selectable frequency sub-bands: 10
Software-defined update rate: 4 Hz
Email/SMS text alerting
User-defined alarm and ignore zones
User-defined alarm criteria per zone
Web, iOS/Android-compatible interface
Wired or wireless data connectivity
Power usage: <70W @ 48VDC
Operating temperature: -33°C to +65°C / -27°F to +149°F
Heating/cooling: passive
Weight/dimensions: <50 lbs. / 30x17x7 in.
Remotely administrable
Integration with video, access control, and range of other third-party systems
Certifications: FCC, UL
Innovating Sensor Technologies Since 1974

GroundAware is developed and supported by Dynetics, a 1,400-employee technology company that offers 41 years of experience in defense, space, critical infrastructure, enterprise IT, and other sectors. Using our considerable engineering, scientific, and other technical resources, we help customers identify, analyze, and respond to complex threats to their missions. Our broad portfolio of solutions features a range of sensor technologies, including GroundAware.

Founded

1974

Team members

1,400+

R&D capabilities

500,000 sq. ft.

Cumulative sales

$3.5 billion

Dynetics employees own 100% of our business. They are why we can commit to technical excellence, integrity, and customer satisfaction.