

SR Hawk™ (V)2 Ground Surveillance Radar

The SR Hawk GSR offers a superior combination of performance and value for a long range ground surveillance radar.

Redefining possible➤



The *SR Hawk* GSR detects personnel, vehicles and aircraft and is ideal for the surveillance of:

- Borders
- Ports and harbors
- Remote areas

The *SR Hawk*™ ground surveillance radar (GSR) provides the user with wide-area situational awareness in a lightweight, performance-driven and cost-effective design. It tracks marine vessels, low flying aircraft, personnel and land vehicles.

The *SR Hawk* radar delivers unprecedented advantages in range and probability of detection while maintaining a small radio frequency signature. Superior detection accuracy, in range and azimuth, allows for better performance with image cueing, classification and identification of targets. A built-in multi-target tracker and audible alert capability, automated advanced anti-clutter techniques, and the proven ability to cue electro-optic sensors, provide capabilities that allow the operator to focus on what's really important – the threat.

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For ordering information:

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The radar is reliable in all weather conditions and extremely high ambient temperatures. It is rugged enough to withstand repeated emplacements, but refined enough for rapid set-up and ease of use. The *SR Hawk* radar provides security anywhere the need arises.

Applications

- Surveillance of borders, ports and harbors, airspace and battlefields
- Perimeter security for bases, critical infrastructure and air fields
- Unattended surveillance of remote areas

Features

- Tracks up to 350 simultaneous targets
- Automated priority target track mode
- High update rate with continuous 360 degree or definable sector scanning
- Simultaneous short and long range coverage – single mode operation
- Integrates and cues image sensors with high accuracy
- Tower, vehicle mounted, or tripod configurations
- Advanced clutter management capabilities
- Port and harbor mode
- Supports IP networks
- Audio alert capability
- Built-in test for automatic fault isolation
- Automatic velocity excise compensates for high foliage environments and tower sway

Benefits

- Proven all-weather operation
- Rapid set-up and tear-down
- Intuitive operator display and controls
- Low false alarm rate
- Low lifecycle cost

General Specifications

Weight: < 45 lb (21 kg)

Input power: < 100W
(battery, vehicle power or AC power)

Transmit type: Pulse Doppler

Operating frequency: 16.21-16.50 GHz
(Ku band)

Interface: Ethernet / XML
adheres to SEIWG ICD-0101B

Range:

- > 30 km for vehicles
- > 12 km for a single person (1/2 m²)
- > 13 km for ultralight aircraft

Minimum range: down to 60m

Minimum detection velocity: down to 0.1m/s

Elevation range: -33° to +22°

Azimuth / elevation beamwidth: 1.9° / 3.8°

Range / azimuth accuracy: 10m / 0.25°

Azimuth coverage: Definable sector or continuous 360° scan

Operating temperature: -40° C to +60° C

Relative humidity: 5% - 100% RH

Environment: Qualified to U.S. DoD MIL-STD-810G (rain, ice, sand, dust, shock, vibration, wind, humidity)

Electromagnetic interference: Qualified to U.S. DoD MIL-STD-461F, FCC Part 15 certified

Reliability (mean time between failure): 15,000+ hr