Through the infusion of modern technology into the realm of ground surveillance, the **SR Hawk** provides persistent surveillance in a single, reliable, low-cost package unmatched in today's marketplace.

Redefining possible

Using the latest advancements in radar technology and in-depth knowledge of GSR sensor applications, **SR Hawk** was strategically engineered to provide superior wide-area persistent surveillance in a low cost, lightweight, network-ready sensor.

Meeting the demands of today's threats requires reliable tools to provide perimeter security and surveillance. To advance the determination of threat levels and facilitate rapid response to threats, persistent ground surveillance to track vehicles and personnel is vital. Maintaining situational awareness in environmentally diverse conditions is critical when security needs to be impenetrable.

Cost-effective and ruggedized, the **SR Hawk** introduces modern technology to address an old problem – perimeter security and surveillance. Its state-of-the-art design represents the next generation of the military proven AN/PPS-5D and AN/PPS-5E ground surveillance radar (GSR) systems that SRC developed for the U.S. Army. Using the latest advancements in radar technology and in-depth knowledge of GSR sensor applications, SR Hawk was strategically engineered to provide superior wide-area persistent surveillance in a low cost, lightweight, network-ready sensor. The SR Hawk is man-portable and can be used autonomously or as the cueing sensor for multi-sensor systems with numerous security applications.

Features

- Interleaved waveforms provide simultaneous short range and long range coverage
- Low prime power requirement (50W)
- Circularly polarized, slotted waveguide antenna for improved all-weather operation
- Continuous 360° azimuth scanning or programmable sector scanning with elevation-over-azimuth positioner
- Integrated GPS and electronic compass for self emplacement and network synchronization
- Audio output for user-based target identification
- Ruggedized laptop computer for radar control and display
- Versatile user display that supports a variety of backgrounds such as topographic maps and overhead images
- Control and overlay of eight networked radars from a single work station
- Ethernet / XML interface for integration with Command and Control Systems
- Robust built-in test for automatic fault isolation
- Multiple power supply options including battery, vehicle power, or AC power

To obtain more information about **SR Hawk**, contact:

SRCTec
5801 East Taft Road
North Syracuse, NY 13212
315.452.8700
1.866.913.3559
communications@srctecinc.com
www.srctecinc.com

*The **SR Hawk** Radar*

- Rapid set-up and tear-down
- Wireless remote operation (optional)
- Customized transport cases (optional)

***SR Hawk** User Display*

Typical Applications

By combining field-proven methods with cutting-edge technology, the SR Hawk increases the effectiveness of missions that include force protection, perimeter defense, and wide-area persistent surveillance, such as border monitoring.

Mission examples include:

- Intrusion detection
- Wide area view to Command and Control Systems
- Cueing of imaging sensors
- Base and force protection
- VIP special security
- High value asset and critical infrastructure security systems
- Border surveillance
- Air field protection
- Port and harbor surveillance
- Gap filling surveillance of remote coverage areas

Specifications

Operating Frequency
16.21 - 16.50 GHz (frequency selectable)

Detection Range
10 km maximum (for single walking person)*
30 km maximum (for average vehicle)*

Range Accuracy
10m

Minimum Radial Target Speed
0.13 m/s to 0.25 m/s*

Transmit Power
2W peak

Input Power
50W

Azimuth Coverage
Continuous 360° or programmable sector scan; 1.7° beam width

Azimuth Scan Rates
User selectable from 7.6°/s, 15.3°/s, and 23°/s

Elevation Coverage
-33.75° to +22.5°; 3.6° beam width

Operating Temperature Range
-30° C to +55° C

Environmental Design
MIL-STD-810F

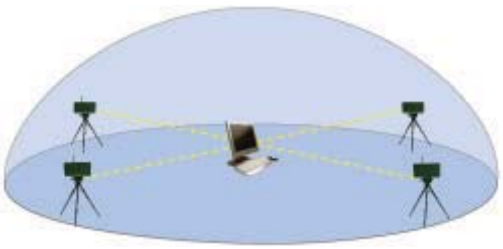
Electromagnetic Interference
MIL-STD-461E

Radar Unit Weight
< 40 lb

Transport Weight (in shipping container)
< 180 lb

Mean Time Between Failure (MTBF)
10,000 hr

values vary depending on radar mode setting



Multi-radar control from a single workstation