

SR HAWK™ GROUND SURVEILLANCE RADAR

Superior combination of **performance and value** for a long range ground surveillance radar.

The *SR Hawk™* (V)2 Enhanced radar is the latest upgrade to SRC's proven line of ground surveillance radars (GSRs). It provides the user wide-area situational awareness with an improved track acquisition timeline, enhanced accuracy, and a more resilient track capability for increased tracker performance. It has a low total cost of ownership, providing 360 degree surveillance with a rapid update rate in an extremely rugged and reliable design.

The *SR Hawk* radar tracks personnel, land vehicles, marine vessels and low flying aircraft. It delivers unprecedented advantages in range and probability of detection while maintaining a small RF signature. Superior accuracy, both in range and azimuth, allows for better performance with image cueing, classification and identification of targets. Automation of electro-optic sensor cueing, audible alerts, multi-target tracking, and advanced anti-clutter techniques are just a few of the features that allow the operator to focus on what's really important – the threat.

The radar is reliable in all weather conditions and extremely high ambient temperatures. It is expertly designed and precision engineered for rapid set-up and ease of use, yet rugged enough to withstand repeated emplacements.

More than 150 *SR Hawk* radars have been fielded – a testament to the

radar's reputation of providing an unrivaled combination of performance and value for long range GSR. The *SR Hawk* radar is designed and manufactured in the U.S.A.



THE SR HAWK ENHANCED GSR DETECTS PERSONNEL, VEHICLES AND AIRCRAFT AND IS IDEAL FOR THE SURVEILLANCE OF BORDERS, PORTS AND HARBORS AND REMOTE AREAS



The SR Hawk remains operational in different weather conditions

SR HAWK™ GROUND SURVEILLANCE RADAR

APPLICATIONS

- Ground surveillance
- Port and harbor surveillance
- Artillery spotting

BENEFITS

- Remains operational even in severe weather
- Transports easily and installs rapidly in challenging terrain
- Intuitive, user-friendly operation and automated tasks make it easy to deploy

GENERAL SPECIFICATIONS

- Weight: < 45 lb (21 kg)
- Input power: < 100W (battery, vehicle, solar or AC power)
- Transmit type: Pulse-Doppler
- Operating frequency: 16.21-16.50 GHz (Ku band)
- Interface: Ethernet / XML (SEIWG ICD-0101B, cursor on target)

- Detection range:
 - 12 km for a single person (0.5 m2)
 - 21 km for small vehicles (10 m2)
 - 32 km for large vehicles (30 m2)
 - 48 km max instrumented range
- Minimum detection velocity: 0.5 m/s
- Elevation range: -33° to +22°
- Azimuth / elevation beamwidth: 1.9° / 3.8°
- Range / azimuth accuracy: 10m / 0.2°
- Azimuth coverage: Definable sector or full 360°
- Operating temperature: -40° C to +60° C
- Relative humidity: 5% - 100% RH
- Environment: Qualified to MIL-STD 810G
- Electromagnetic interference: Qualified to MIL-STD-461F, FCC Part 15 certified
- Reliability (mean time between failure): 22,000+ h
- Part number: SRC2401C

BELOW: the SR Hawk deployed in an expeditionary mission



FEATURES

- Rapid update rate with continuous 360 degree coverage or definable sector scanning
- Low false alarm rate
- Automated sensitivity settings for weather and clutter management
- Simultaneous short and long range coverage
- Automated priority target track mode
- Tower, vehicle mount and tripod configurations
- Integrates and cues image sensors with high accuracy
- Backpack transportable
- Networkable
- Built-in test for automatic fault isolation
- Automatic velocity excise compensates for tower sway
- Tracks up to 350 simultaneous targets
- Automatic data recording with playback
- Frequency agility
- Audio alert capability
- Web interface for command and control



800-724-0451 • inquiries@srcinc.com • www.srcinc.com

Scan QR code to download an electronic copy.

© 2018 SRC, Inc. All rights reserved. 20180709

