SR HAWK™ GROUND SURVEILLANCE RADAR

A long range surveillance radar that delivers a superior combination of performance and value

The SR Hawk™ radar is the latest upgrade to SRC’s proven heritage of ground surveillance radar (GSR) technology and expertise. The SR Hawk radar provides wide area situational awareness in a lightweight, low power package that is easy to setup and use. The radar’s high reliability results in a low cost of ownership. Maintainability is simplified with a modular design for field servicing.

Superior accuracy in range, azimuth and target acquisition allow 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 system operators to focus on what’s really important – the threat.

The SR Hawk radar is reliable in all weather conditions and extremely high ambient temperatures. Engineered and designed with the end user in mind, the radar is extremely easy to setup and use, yet rugged enough to withstand repeated emplacements in any environment.

Hundreds of SR Hawk radars are deployed worldwide – a testament to its reputation as a long range GSR providing an unrivaled combination of performance and value. The SR Hawk radar is designed and manufactured in the U.S.A.

APPLICATIONS
• Ground surveillance
• Port and harbor surveillance
• Artillery spotting / fall of shot

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 radar’s versatility allows it to perform multiple missions in various configurations.
SR HAWK™ GROUND SURVEILLANCE RADAR

CONFIGURATIONS
- Expeditionary (backpackable)
- Fixed site (tripod or tower)
- Mobile (vehicle)

BENEFITS
- Operational in the most severe weather conditions (extreme heat, wind, rain and salt fog)
- Transports easily and can be installed/set up rapidly by one person and in less than 10 minutes
- 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 range: 50 m
- Minimum detection velocity: 0.25 m/s
- Elevation range: -33° to +22°
- Elevation beamwidth: 3.8°
- Range / azimuth accuracy: 10 m / 0.2°
- Azimuth coverage: Definable sector or full 360°
- Operating temperature: -40° C to +65° C
- 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

BELOW: The SR Hawk radar can be placed and operated in the most severe weather conditions, such as high heat and low humidity climates.

FEATURES
- Rapid update rate
- Low false alarm rate
- Automated sensitivity settings for weather and clutter management
- Simultaneous short and long range coverage
- Automated priority target track mode
- Performs ground, coastal and surveillance of low flying aircraft missions
- Integrates with C2 and cues imaging sensors with high accuracy
- Networkable
- Built-in test for automatic fault isolation
- Automatic clutter filtering compensates for mast or tower sway
- Tracks up to 500 targets simultaneously
- Automatic data recording with playback
- Frequency agility
- Audio alert capability
- Web interface for command and control
- Multi-language user interface

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