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 (V)2 Enhanced GSR detects personnel, vehicles and aircraft and is ideal for the surveillance of:

- Borders
- Ports and harbors
- Remote areas

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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.
SR Hawk™ (V)2E Ground Surveillance Radar

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.

Applications
• Ground surveillance
• Port and harbor surveillance
• Artillery spotting

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

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

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For ordering information:
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