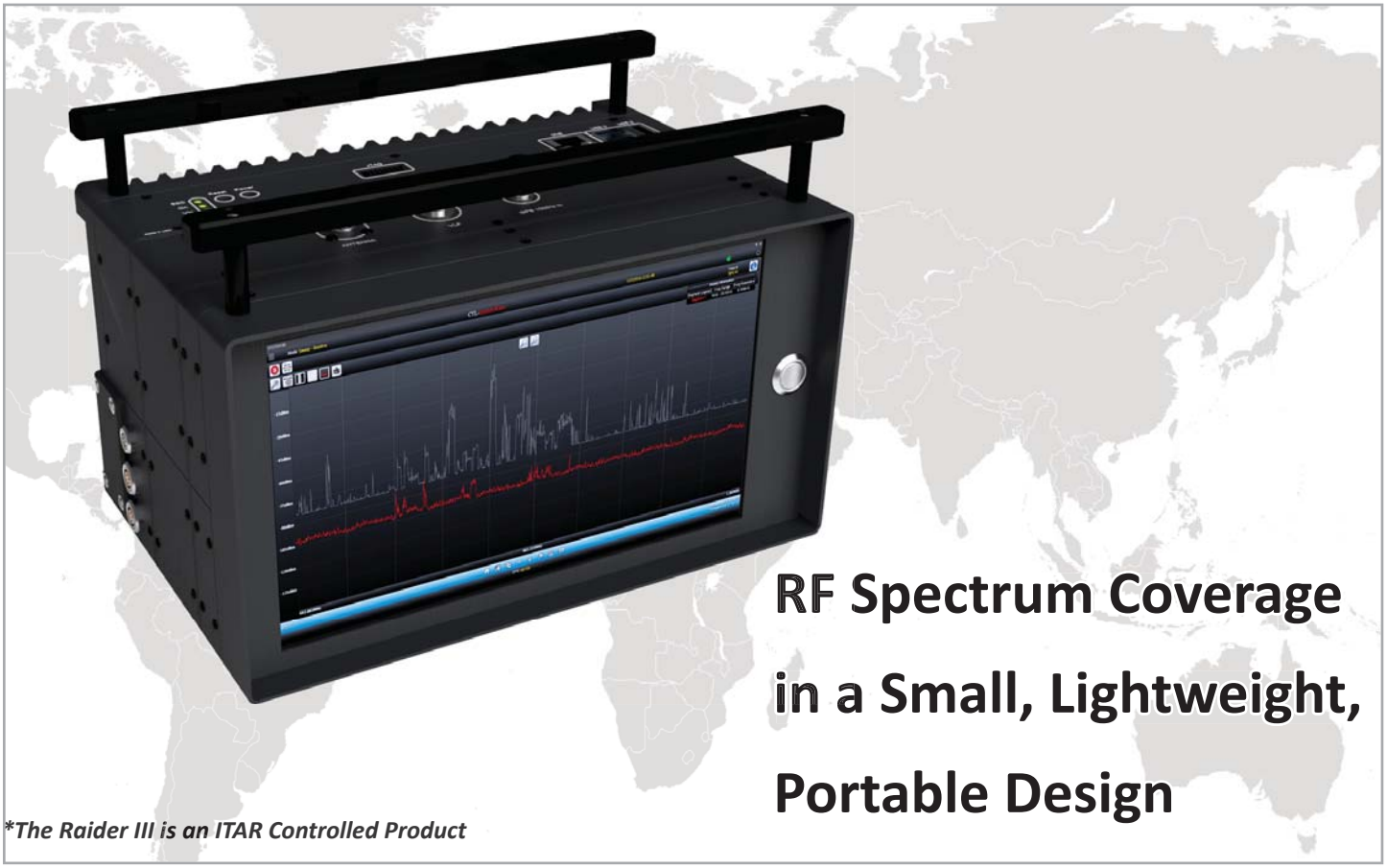
Turnkey **Products**

Comprehensive **Training**

Customized **Services**

Raider III



RF Spectrum Coverage in a Small, Lightweight, Portable Design

The Raider III is an ITAR Controlled Product

The CTL|SystemWare Raider III is a portable, fully functional, turn-key Radio Frequency (RF) collection and analysis platform. Its modular, durable, fan-less, small form factor design, and low power consumption make it ideal for static or mobile application. Raider III can operate independently or as part of a multi-sensor system through either direct or remote control. Fast sweep speeds and new automated tools ensure threat signals using modern technology are captured for real-time or post collect analysis. The Raider III's unique monitoring software allows any user, regardless of experience level, to effectively and efficiently operate the system with confidence.

For more information, contact:

CTL|SystemWare Sales
(410) 579-1300
swi-sales@sysware.com

7063 Columbia Gateway Drive
Suite 110
Columbia, MD 21046

CTL|SystemWare

Learn more about our capabilities:
www.ctl-systemware.com

Multiple Uses:

- Spectrum Mapping
- RF Route Recon
- Real-Time Signal Searches
- Threat Signal Identification
- Wireless Network Detection & Analysis
- Indications & Warnings
- Signal Verification
- Channel Scan
- SIGINT Database Development
- Communications Support
- High-Energy Searches
- Frequency Management

Optional Frequency Extender

- Conversions to Extremely High Frequencies Addressing 802.11ad and Other Signals Exceeding 60 GHz Frequencies
- Pre-selector Filtering
- Compact Rugged Package
- Low Power: <20 W
- USB Controlled

Hardware Specifications

- Frequency Range: 1 kHz - 18 GHz
- RF Input: 50 ohms
- Custom Broadband Microwave Receiver
- Dynamic Range: 110db at IF
- Tuning Resolution: 1 kHz
- Capture Bandwidth: 40 MHz
- Network Bandwidth Consumption >250kbs

Software Functions and Capabilities

- Sweep the RF Spectrum with User-Defined Frequency Parameters
- Single or Multiple Sweep Segments Over the Full Frequency Response
- Fast Sweep Speeds
- Frequency (Channel) Scan
- Dynamic Re-Tasking of Sweep Parameters to Meet an Immdiate Collection Mission
- Multiple Visual Representations of the RF Spectrum - 2D/Persistence Trace, Waterfall Display, Resizable Displays
- Real-Time Signal Analysis
- Analog Signal Demodulation (AM/FM)
- One-Button or Automatic Audio Recording
- Classification of Common Digital and Analog Signals
- Wireless Network Detection and Identification with GPS Tagging
- Video Recreation
- Wide Band (Short Duration) IF Snapshot Recording
- Post Analysis Collection Tools
- Signal of Interest Search
- Consolidated Exceedance List Report
- Signal Template and Fingerprint

CTL|SystemWare

Turnkey **Products**

Comprehensive **Training**

Customized **Services**

CTL|SystemWare provides world class technical security solutions for the protection of government, corporate and private interests. Our services and solutions are uniquely designed to help our clients improve communications, protect intellectual property, secure the integrity of information systems and networks, and increase efficiency and mission effectiveness. CTL|SystemWare provides individualized risk mitigation solutions for modern technical problems.