



APPLICATIONS



FEATURES

Console Inputs

- 5 detector inputs for any combination of gamma, neutron, and GM detectors
- Battery monitoring
- Ancillary and auxiliary inputs (i.e. GPS, altimeter battery, etc.)

Highly Adaptable

- Wide range of gamma, neutron, and GM detectors sizes and types
- Unattended operation
- Multi-platform and quick deployment

Ergonomic and Rugged Design

- Compact and Lightweight
- Weatherproof IP67
- Mil-Spec Connectors

Modern Technology for Emergency Response

- REACHBACK

Data Output

- Wired: Ethernet, USB download
- Wireless: Wi-Fi, Bluetooth
- Remote: Relay Server, Headless operation

GPS

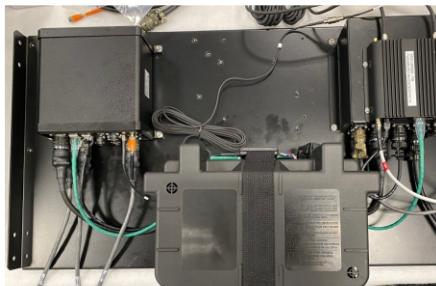
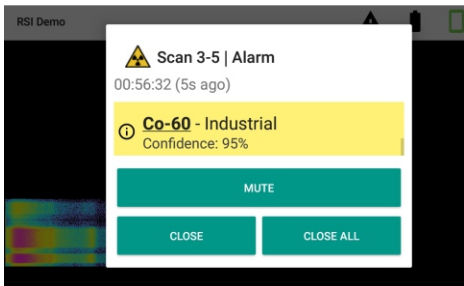
- Internal (12-channel receiver, WAAS-enabled)
- External GPS support - NMEA



RS-605 Console

The RS-605 Console is an interface between the external detectors and a user interface (i.e. computer, tablet, Smartphone). It is designed to adapt to any mobile platform. In addition to conventional ground, airborne, and marine-based platforms, its light and compact size make it possible to use on a UAV and other small robotic platforms. The weatherproof IP67 rating allows it to be safely exposed and operated in extreme environments. The advanced template matching nuclide analysis and identification (NID) is built into all RS-600 consoles. Analyzed spectra and NID are sent directly to a Smartphone without compromising performance.

Communication between a computer, tablet or Smartphone, and the RS-605 console can be achieved via Wi-Fi or Ethernet. Using parameters set by RadAssist, the console determines how the data from the various detectors and devices is collected and exported. The system console sends individual and summed spectral data, NID, and alarm information to the local or remote monitoring computer, Smartphone, or directly to REACHBACK. All data are GPS tagged.

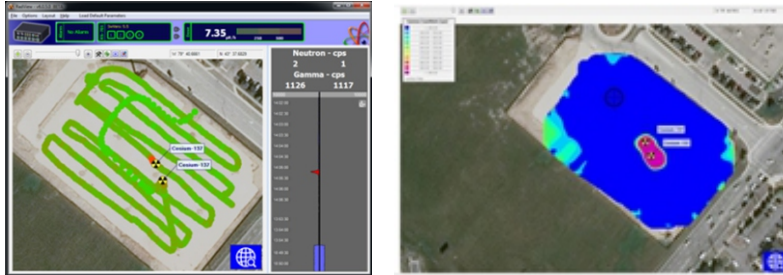


RS-605 Console

Mobile Radiation Monitoring System

Advanced Software Suite

The RS-605 is compatible and interoperable with all RSI portable, mobile, marine, and airborne systems through PC software. The software permits local, remote, and centralized control and monitoring, as well as in-depth data analysis in real-time or playback mode. The system is capable of forwarding alarm information directly to any Federal or local geospatial infrastructure and can be integrated into these databases directly, permitting a coordinated big-picture response of all deployed RSI instruments during operation.



RadAssist Software

The signature RSI spectroscopy software is a fully functional utility suite that allows complete control of the system configuration, settings, mode of operation, and connection setup. It also provides in-depth data and spectroscopy analysis including programming utilities.

RadView Software

A streamlined, single screen "user friendly" local interface software with selectable modes of operation with alarm displays that guide the user through a typical work flow from initial encounter to reporting/REACHBACK.

MapAssist Software

Allows for central control to monitor all deployed RSI systems on the same map from an operation centre.

RadMobile (Smartphone App)

A Smartphone App used to search for radioactive isotopes, monitor a system, and watch for alarms. It also provides a quick overview of system status, count rate, dose rate, alarm, directionality, and detailed isotope information and category. GPS location is provided on a dynamic map.

Dimensions

- 6.25" x 3.0" x 5.0" (159mm x 76mm x 127mm)

Weight

- 2.2 lbs. (1Kg)

Power Input

- 115-220 VAC, 10-36 VDC

GPS

- 12-channel GPS receiver, WAAS-enabled

External GPS Support

- NMEA, TSIP

Internal Data Storage

- 8GB, 24 hours of data

Interface

- Android, iOS, MS Windows

Software and App

- RadAssist, RadView, MapAssist, RadMobile (Smartphone and Smartwatch App)

Interoperability

- Compatible with single map display of all owned RSI systems and Base Station information

Power Draw

- 4.8W
- Min 1 NaI Detector = 8.4W
- Max 4 NaI + 4 Neutron Detectors = 25W

Environmental

- Weatherproof IP67

Operating Temperature

- -40°C to +55°C / -40°F to +131°F

Storage Temperature

- -50°C to +55°C / -68°F to +131°F

Humidity

- 100% non-condensing

Standards

- ANSI N42.34-2016; ANSI N42.42-2012; CE, IEC/EN 60529, ISO 9001:2015

Radiation Solutions Inc

Radiation Solutions Inc. (RSI) is a Canadian company specializing in nuclear instrumentation for the detection, measurement, and analysis of low-level ionizing radiation from both naturally occurring and man-made sources.

RSI's industry leading radiation detection technology incorporates a fully digital system design, spectral analysis, and advanced data processing. RSI deploys this technology in stationary systems, airborne systems, mobile systems, as well as portable and handheld spectrometers. This provides a level of quality previously only attainable in laboratory equipment.

RSI is committed to working closely with customers in all aspects of the product life cycle including product requirement, application, training, support, and product enhancement. Our comprehensive approach results in state-of-the-art hardware components and software that produce outstanding results, exceeding expectations.



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