

November 11th, 2021 - BNC Launches the Upgraded SAM 940+ (RIID)

Berkeley Nucleonics will be unpacking the SAM 940+'s features and applications from open discussions to live demonstrations on Thursday, December 2nd, 2021 @10:00am Pacific Time.



The Most Compact and Lightest Hand-held RIID in the World

Compared to its predecessors, the volume and weight is reduced by about 1/3, while retaining all the advanced features from previous generations. The SAM 940+ is considered to be BNC's smallest RIID yet. The lightweight design limits fatigue in long operational scenarios or enables easy transport of your identifier in a belt holster or lanyard.

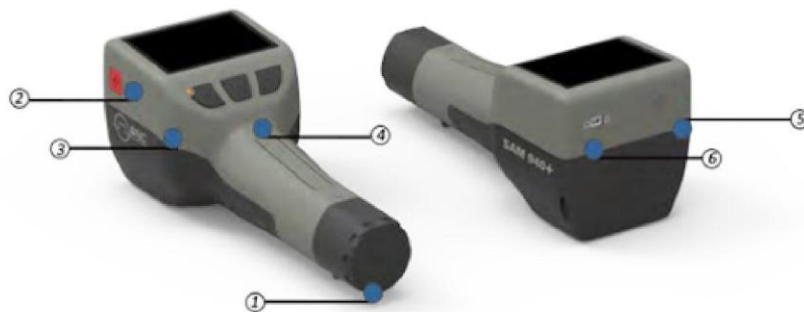


A Re-engineered RIID

The new SAM 940+ is designed to address a growing demand for fast, accurate isotope identification. The new instrument reduces the burden on the operator by leveraging state of the art communication protocols to quickly relay information to a management team. The SAM 940+ provides a "one-click reachback" solution for data transfer to the RadResponder Network or a command center. The multi-media support, GPS and communication capabilities enable the operator to rapidly deliver a complete, informative and actionable report to reach-back centers. It has the capability to integrate and read out alpha/beta pancake probes, or other forms of detectors to assist it in covering the widest range of applications. In addition to ANSI compliant spectroscopic results and alarming, the user has quick access to the onboard camera for appending video or images to the spectroscopic reports.

The new design includes some of the most exciting technologies available in a handheld instrument:

- The **internal GPS system includes 66 Tracking Channels (1- 10Hz)** to ensure high accuracy in the reported location data.
- A **rechargeable Li-Ion battery** allows for 7 hours of continuous use while a AA battery pack clips on for continued use when the internal battery is low.
- A **gyro-sensor** embedded in the SAM 940+ gives users immediate directional data to quickly locate and isolate alarming sources.
- **Smartphone Mirror application**, allowing you to operate the unit from a distance with the stand-off detection and ALARA standards being met.
- Existing SAM users will appreciate the **add-on port**, allowing the use of larger detectors, long detector cables or other needed peripherals.



① Battery Cap

② Sleep Mode LED

③ Power Button

④ Key Pad

⑤ Camera

⑥ Universal Adapter

While the front end of the SAM 940+ has been totally reworked for the first responder and inspection agents, the underlying spectroscopy and analysis ensure the health physicists and program management team reliable information. Disposition of non threat alarms or naturally occurring radiation can be accomplished timely and with high levels of confidence. The exciting new design marries the demanding requests of the Police, Hazmat, Responder and Inspection communities with the performance expectations of the DOE and spectroscopic community.