

ARAM Portal

Adaptable Radiation Area Monitor (ARAM) for Fixed Installation

Detect. Locate. Prevent.

For Law Enforcement, First Responders, and those charged with protecting Critical Infrastructures.

THE THREAT

Illicit transportation of Special Nuclear Materials (SNM) remains a threat to the public. Recent attacks worldwide serve as reminders that terrorists can employ improvised explosive devices (IEDs) as weapons of mass destruction and mass disruption. With groups like ISIS and others actively seeking nuclear material to build Improvised Nuclear Devices (INDs), investing in Preventive Radiation and Nuclear Detection (PRND) such as radiation detection portals and mobile radiation detectors remains a high priority for infrastructure and civilian protection.

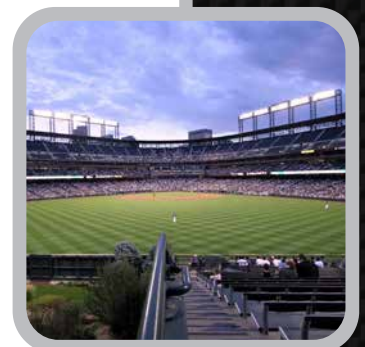
OUR SOLUTION

TerraTracker enables law enforcement and first responders to detect, locate, and prevent SNM threats coming by land, air, or water, with our Adaptable Radiation Area Monitor (ARAM). Our technology includes a self-contained radiation detection system comprised of a patented, award-winning Radiation Detection technology from Lawrence Livermore National Laboratory (LLNL).

Adaptable Radiation Area Monitor (ARAM) - Portal

A Radiation Detection System Designed for Law Enforcement PRND Field Operations

- Real World proven
- Easy and intuitive to use
- Detects SNM on the move
- Isotope identification
- Does not disrupt flow of commerce
- Scalable for location and mission



The ARAM Portal Monitor includes gamma detectors, neutron detectors, and a notebook or tablet computer. This system can be configured specifically for your location and performance requirements.

At TerraTracker, we believe the security and safety of society is not just the responsibility of Law Enforcement; everyone can contribute. By commercializing the capability and technology of the Adaptable Radiation Area Monitor (ARAM) system developed by scientists at Lawrence Livermore National Laboratory, we are proud to support the Law Enforcement and Homeland Security community protecting our fellow citizens. We are committed to enabling Public Safety and First Responders to “Detect. Locate. Prevent.”

Contact us with your design and performance requirements.

ARAM Portal Product Specifications

PHYSICAL

Enclosure Dimensions (LxWxH)	48" x 32" x 12" (each)
Detector Components	1 Gamma Detector, 4 Neutron Detectors
Configuration	2 Enclosures per Lane (Left and Right)
Weight	80 lbs. each, 160 lbs. total
Power	110 VAC

ENVIRONMENTAL

Operating Temperature	-15 to +55 C
Protection Rating	MIL-STD-810E

DETECTORS and PERFORMANCE

Gamma Detector Material	Nal(Tl)
Gamma Detector Dimensions	2" x 4" x 16"
Gamma Energy Resolution	8% @662 keV
Nuclide Identification Standard	ANSI N42.38, Plus Categorization for SNM, Industrial, Medical, NORM
Neutron	23" He3
Data and Reachback File Format	N42.42

COMPUTER SYSTEM

Operating System	Windows 7 or later
CPU	1.7 GHz
RAM	4 GB
Disk Space	500 GB

“The ARAM detection system can be readily inserted into the stream of commerce to prevent the transfer of radiological threats that might otherwise enter this country with relative ease.”

Providence Business News

