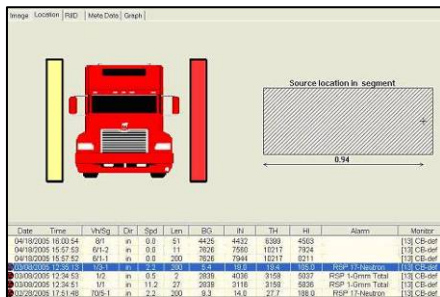




EXPLORANIUM® AT-980 Radiation Portal Monitor.

A sensitive, fast, and economical solution for detecting nuclear threats.



The AT-980 RPM graphically displays the location of radioactive sources in scanned vehicles.

The challenge: scanning vehicles and cargo for nuclear threats without slowing the flow of traffic. The solution: the EXPLORANIUM AT-980 radiation portal monitor (RPM).

The AT-980 RPM uses advanced passive scanning technology to detect and locate illicit nuclear material in cargo containers, trucks and other vehicles in the normal flow of checkpoint traffic. SAIC has manufactured thousands of RPMs for government and commercial clients in the U.S. and around the world.

With its powerful yet economical detector technology, the AT-980 RPM can sense extremely low levels of gamma and neutron radiation in a single scan — with a false-alarm rate better than 1:10,000. Combining this outstanding performance with high throughput and safe, efficient operation, the AT-980 RPM is ideal for border crossings, ports, and other transit facilities.



The AT-980's high-throughput fixed-portal design allows vehicles to drive through without stopping.

Capabilities:

- Meets applicable portions of ANSI performance standards
- Graphically displays the location of radioactive sources in scanned vehicles
- Scans vehicles in the typical flow of checkpoint traffic
- Detects SNM even when shielded or masked
- Limits false alarm rate to better than 1:10,000
- Offers easy-to-use operation

Options:

- Surveillance camera package for capturing images of scanned vehicles
- Additional detector panels for oversized vehicles

Focus on nuclear weapons

The AT-980 RPM allows customs and security personnel at border crossings, ports, and other transit facilities to quickly screen closed, moving vehicles for special nuclear material (SNM) that could be used in the creation of atomic weapons and commercial sources that could be coupled with high explosives to spread radioactive contamination (i.e., a "dirty bomb"). The system is designed to detect these materials even when they are shielded or masked.

Powerful performance

The AT-980 RPM's safe, passive (non-emitting) scanning technology scans vehicles in the typical flow of checkpoint traffic without requiring them to stop or occupants to exit, permitting extremely high throughput. The system uses powerful yet economical detectors, sophisticated analysis techniques, and low-noise signal processing to provide enhanced sensitivity to low level sources, meeting applicable portions of challenging American National Standards Institute (ANSI) performance standards. The AT-980 is highly sensitive to SNM and other radioactive threats, yet rejects naturally occurring radioactive materials, achieving a false alarm rate better than 1:10,000.

Easy to use

Like previous EXPLORANIUM products, the AT-980 is easy to use and operator-friendly. The system can be operated by users with little or no radioactive monitoring systems experience, supporting full compliance with user-established alarm response procedures.

SAIC — a world leader

SAIC is a world leader in radiation detection technology, with thousands of installations for government and commercial clients around the world. Every system is available with SAIC's dedicated installation, training, maintenance, and technical support.

SAIC Security and Transportation Technology

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Due to our efforts to continually improve this product, specifications, dimensions and operating procedures are subject to change without notice. All specifications and measurements are approximate, based on the standard configuration; results may vary with the application and environment.

