

RAD IQ™ AP300



Advanced Portal Monitoring System

“Every Pass Logged, Every Threat Tracked”

With intelligent data logging, advanced statistical analysis, and portable design, the AP300 transforms routine radiation screening into a connected, analytical security platform—far beyond the capabilities of conventional portal monitors.



The RAD IQ™ AP300 is a high-performance radiation portal monitor designed for pedestrian screening in security-sensitive environments.

It can be installed in doorways, hallways, and walls or function as a standalone unit, with the capability to run for up to 48 hours on an external battery, making it perfect for emergency response.

Unlike traditional RPMs, the AP300 uses a tablet PC interface for real-time data visualization, which includes gamma trends, pedestrian counts, and alarm logs.

It ensures screening accuracy with a smart alarm algorithm that adapts to background fluctuations, thereby reducing false alarms.

Featuring automated quality control, dual 5-liter PVT plastic scintillators, LED indicators, and wireless connectivity (Wi-Fi, Bluetooth, LAN), the AP300 offers intelligent solution for critical infrastructure, border control, hospitals, and airports.

Applications

- Building entrance, doorway or hallway check point for pedestrian and their carrying goods
- Pedestrian check point at boarder or airport inspection
- Radiation waste management in hospitals
- Emergency responder

Key Features

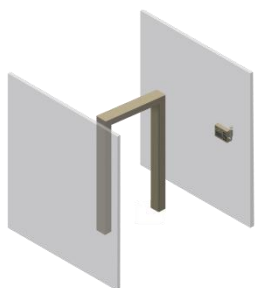
- Highly sensitive with two columns of 10ℓ plastic scintillator
- Configurable installation options based on applications and site conditions
- Rapid deployment and operation for emergency application (Portable w/ carrying case)
- Optional battery operation for up to 48 hours
- Automatic QC control w/ self-adhesive radiation check source
- Variable alarm setup utilizing statistical information of background fluctuation
- Portable tablet PC for customized display and control

❖ Specifications

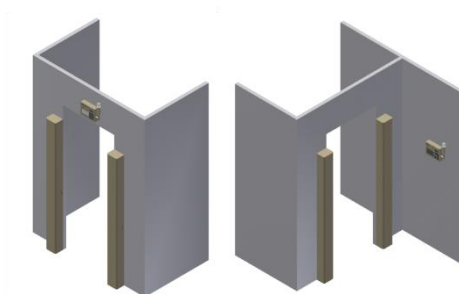
Detector	Plastic scintillator (5ℓ x 2ea)	Energy range	20 - 3,000 keV
Network Communication	Bluetooth or USB	Display	Tablet PC (10.1")
Dimension	1170(W)×130(D)×2000(H) mm	Weight	50kg (110lb)
Alarm	3way LED	Operating Temperature	-15°C (5°F) ~ 50°C (122°F)
Motion Sensor	Infrared Ray Sensor	Power supply	110-230 V 50/60 Hz Battery (optional) < 24 h

❖ Flexible Installation, Anywhere It's Needed

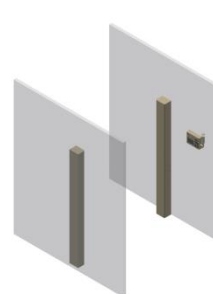
Easily deployed as a stand-alone unit, doorway mount, or hallway-integrated system—adaptable to any environment without infrastructure changes.



Stand alone



Door way



Hall way

❖ Tablet-Based Interface

The tablet PC application provides intuitive system control, customizable displays, and the advantages of portability, wireless connectivity, and touchscreen interaction—delivering a modern, operator-friendly experience.

