



# Electro Optical Components, Inc.

5460 Skylane Boulevard, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



## HAZARD & THREAT DETECTION

Excellent energy resolution for rapid isotope identification.

Hazard and threat detection refers to a broad range of applications that aim to secure national infrastructure against nuclear incidents and contraband trafficking by the screening of cargo, vehicles, baggage and personnel using portal monitors at key entry/exit points.

A more distributed monitoring system of strategic facilities and critical infrastructure can provide a rapid first response to any radiological threat or incident, as well as the day-to-day safeguarding of the nuclear industry. To identify the trafficking of radioactive materials and contraband at busy ports and border crossings, one must provide an effective tool of detection without disrupting the flow of traffic or goods. This is further complicated by the fact that any illicit nuclear materials must be identified against a background of naturally occurring or legally transported radioactive material, such as medical isotopes. Therefore, high performance detectors are required to the necessary sensitivity and specificity in a short time frame.

### KEY FEATURES

- Low temperature coefficient
- High PDE
- Easy coupling to the scintillator
- Low bias voltage
- High fill factor
- No damaging by strong light and fast recovery
- Mechanically robust
- High dynamic range

### APPLICATIONS

- X-Ray Scanning
- Radiation Spectroscopy
- Area Monitors
- Isotope Identifiers
- Dose Meters
- Spectroscopic Personal Radiation Detectors (SPRD)
- Neutron Detection