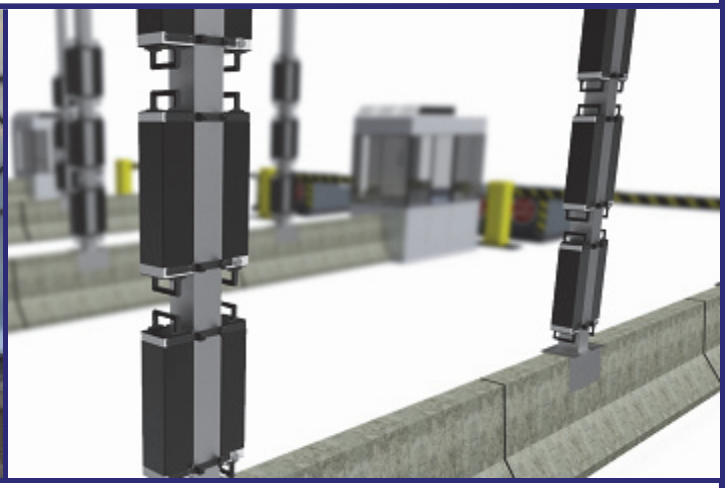
FLEXSPEC FIXED-SITE™
Spectroscopic Radiation Detection System



- **State-of-the-art, fixed-site radiation detection system provides high-sensitivity gamma and/or neutron detection for screening vehicles, people and packages at key checkpoints or ports of entry.**
- **Quantity and configuration of detectors, as well as mounting approach, can be easily customized to accommodate installation at various sites using new or existing support structures.**
- **System provides rapid and reliable isotope identification and alarm categorization, using proven analysis software and an easy to use software interface.**
- **Wi-Fi capability enables secure, remote operation through authorized, web-enabled smartphones or tablets.**
- **Includes multiple features to facilitate transmission of data and alarm reports to reachback/command centers. Optional supervisory software allows multiple fixed-site systems to be monitored or controlled from a single supervisory computer connected over a network.**

Technical Specifications

GAMMA SENSORS: Each standard sensor includes a 2" x 4" x 16" NaI crystal with an energy resolution better than 8% at 662 keV. Standard gamma detector, including weather-proof enclosure, is 6.5" x 7.5" x 26" and weighs 52 lb.

NEUTRON SENSORS: Standard neutron detector, including weather-proof enclosure, is 6.5" x 17" x 36.5" and weighs 95 lb. The sensitivity is ≥ 1.4 cps/ng for moderated ^{252}Cf at 2 m. Compact neutron detectors are also available; they measure 6.5" x 14.5" x 31" and weigh 77 lb. Neutron sensors do **not** require ^{3}He gas; however, ^{3}He detectors can be accommodated if desired.

USER INTERFACE: Software operates on a laptop or desktop (Windows 7, 64-bit) and provides visible/audible alarms. System provides proven spectroscopic isotope identification and alarm categorization (threat, industrial, medical, NORM). Includes information on location of source with respect to vertical height.

REMOTE OPERATION: Connects to authorized, web-enabled smartphones or tablets through a secure Wi-Fi network, enabling the primary operator or additional users to view/operate the detection system at a distance. Optional supervisory software allows multiple systems to be monitored or controlled from a single supervisory computer connected over a network.

REACHBACK: Wired or wireless (3G/4G LTE cellular) Internet connection enables system data and alarm reports to be rapidly sent to reachback centers. Software automatically populates key fields for US DHS Joint Analysis Center (JAC) reports, or other reachback reports. Data output in ANSI N42.42 (2012) format.

POWER: 100 – 240 VAC input range, 24 VDC output.

TEMPERATURE RANGE: Operating temperature –30 ºC to +55ºC (-22 °F to +131 °F). Storage temperature -40 ºC to +70 ºC (-40 °F to +158 °F).

AUXILIARY EQUIPMENT: System can support breakbeam occupancy sensors and IP/network cameras. System can also be integrated with other commercial vehicle screening systems.

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