

NuSAFE's Guardian Defender™ Mobile Systems are capable of detecting and identifying a wide range of radioactive material from a vehicle while travelling or parked.

Large detectors and clever algorithms allow the operator to pinpoint a house accruing material for a dirty bomb while driving past or pick out a passing vehicle transporting radioactive material including but not limited to, special nuclear materials, such as plutonium, and highly enriched uranium.

Additionally, the Guardian Defender™ identifies a wide variety of more common radionuclides and materials on a constantly updating display.

Each panel or case is connected to an Ethernet switch which in turn is connected directly to a PC. The remote access option allows the operator to monitor the system without having to continuously remain in or near the vehicle.

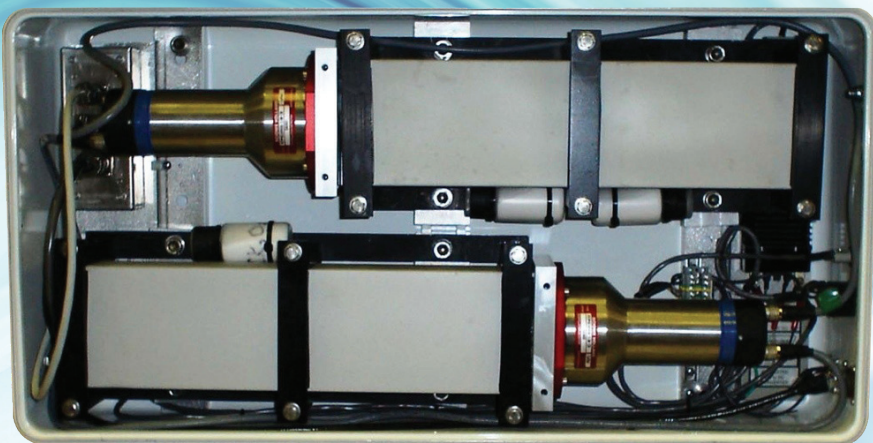
The system is easily loaded into and removed from a vehicle to maintain full flexibility of vehicle use. Vehicles should not require any modification.

OPTIONS

- Isotope ID
- 8 hour battery back up
- Configuration to suit
- Remote access

FEATURES

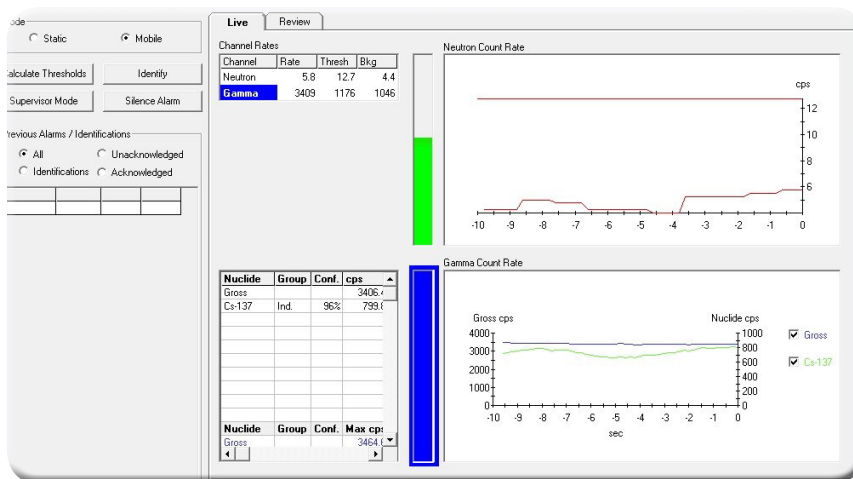
- Highly sensitive transportable radiation detection
- Gamma and Neutron sensitivity
- Dual mode: mobile or stationary
- Accurate nuclide Identification
- GPS enabled
- Database of alarm events
- Windows based software
- Configurable to requirements



SPECIFICATIONS

Sensitivity	As low as 0.8 nSv/hr
Gamma Detectors	4 x 2 x 16 in NaI (Resolution 7.3% at 661 KeV) and/or 18 x 24 x 1.5 in PVT
Neutron Detectors	5 cm Ø x 55 cm, 3 atm ³ He tubes, and or ⁶ Li glass fibre blocks
Weight	<40 kg
Standard External Dimensions	74 x 38 x 23 cm
Power	12 - 24 V DC
Communication	Ethernet or wireless
GPS	Approx 3m accuracy or automatic road alignment

INTEGRATED ANALYSIS DISPLAYS RESULTS, SHOWING NUCLIDE IDENTIFICATION AND GROSS COUNTS



Other NuSAFE systems supplied include: Advanced vehicle and pedestrian portals and sensitive man-portable instruments.

Southern Scientific supplies CBRNE equipment to the Home Office, MOD, customs and many of the regional emergency services.



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