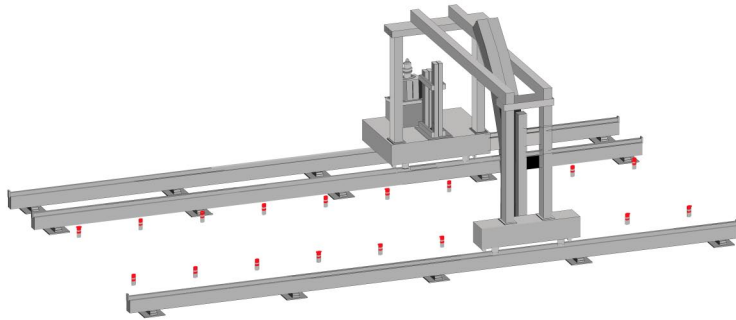




OM-SCAN-V/1 Relocatable Inspection System



Application:

Designed and built to be easily relocated the SCAN-V/1 can be used for the rapid non-intrusive inspection of 10, 20, 40ft containers or cargo trucks and reefers, it can also be used for tankers, small trucks, minibuses and private cars; false walls, hidden compartments and configuration changes will quickly be identified.

- A. It is a gantry design operating on two surface mounted rail systems. The tracks are positioned, leveled and grouted in place for solid operation. Infrastructure costs are low and the system can be powered from a local generator if required.
- B. Depending upon the user performance needs and the source activity level the system can be operated either with or without shelter surrounding the assembly. As a minimum access control will be maintained through the introduction of a sensor array.
- C. The system can be configured as single or dual view. In the latter case the design is limited to use as an isotope-based design, see note. X-Ray is applicable to the single view design depending upon the inspection needs of the user.

Note:

While Omni Security has researched the application of electronic sources to the SCAN-V/1 (dual view) it was deemed to be two costly and complex for the benefit to be gained over the less complex gamma-based design, and therefore not available as one of the Omni family of products at this time.

Technical Specifications:

Penetration:	≥ 180 (Guarantee) ~ 200 (Typical) mm steel block
Resolution:	≤ 0.8mm gauge wire in air
Spatial Resolution:	< 6mm (detector unit size)
Scanning Speed:	5 ~ 20m per minute
Image size:	1024x4096
Maximum Dimensions of Containers Scanned:	4m wide, 4.6m high and 18m long
Throughput:	30 40ft container trucks per hour
Maximum Inspection Dose (MID) :	≤ 10.0μSv per scan Meet all published International standards for radioactive protection
Working Condition:	temperature -5°C ~ +55°C, and relative humidity 95% or less, no condensing
Storage Condition:	temperature -20°C ~ +60°C, and relative humidity 95% or less, no condensing
Footprint of Inspection Channel:	10m wide and 32m long
Power Consumption:	380V AC/220V AC±10% 50/60Hz±3Hz; 20KW

