



## OM-SCAN-VI/1 Mobile Inspection System



OM-SCAN-VI

### Overview:

Mounted on a trailer chassis the inspection system can be detached from the traction system. This allows the system to be operated as a tractor/trailer configuration or in isolation from the tractor rig. The flexibility this provides to the user is two fold; (i) If required the user can supply the tractor unit thus ensuring ease of maintenance, or (ii) the system remains operational if it needs to be repaired or during routine maintenance periods.

Designed for the effective inspection of container traffic and trucks the mobile unit is suitable for the inspection of tanker trucks and passenger vehicles.

Rapidly deployable, the mobile inspection system is available as a single view based on gamma technology or x-ray, depending upon the needs of the user. With the ability to scan in both the forward and the reverse directions the mobile design is an efficient and effective inspection modality.

### Specifications of Scanning Vehicle:

Gross Weight: 30,000kg

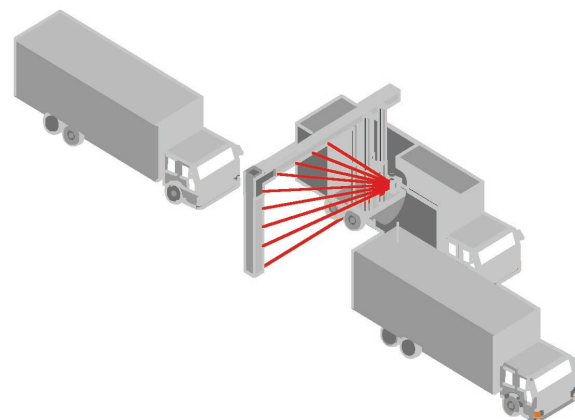
Dimension: 2.4m wide, 3.8m high and 10.2m long

Travel in Gradient: more than 29%

Turning Radius: 9.2m

Travel Speed on Expressway: 80km per hour

Travel: 3.8m high





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### Technical Specifications:

Penetration:	≥ 160 (Guarantee) ~ 180 (Typical) mm steel block.
Resolution:	≤ 0.8 ~ 1mm gauge wire in air
Spatial Resolution:	< 6mm (detector unit size)
Image size:	VI/1     Detector A     928×4096
Max. Dimensions of Containers and Vehicles Scanned:	3m wide, 4.6m high and 18m long
Scanning Speed:	5 ~ 20m/min.
Throughput:	20 vehicles per hour
Power Consumption:	380V AC/220V AC±10% 50/60Hz±3Hz; 20KW (diesel electric generator)
Security Zone:	18m wide and 28m long
Maximum Dose per Scan:	≤ 10.0μSv.
Security Zone Boundary Radiation Level:	1.0μSv/h. Meet all published international standards for radioactive protection.
Scanning Vehicle:	driven by hydraulic motor while scanning at a speed ranging from 5m to 20m per hour
Ready to Work:	less than 30 minutes
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

