



For a safer world

SPECTRUM 100100 SV VAN

X-RAY SCANNER INSPECTION SYSTEM

160 kV | 180 kV



The Spectrum 100100 VAN is a mobile X-ray inspection system using a self-propelled vehicle (van) with special interior fittings. The 100x100cm tunnel size allows wide range of applications. Compact vehicle size, Spectrum 100100 VAN the perfect solution for areas where space is limited, but high security is required.



TECHNICAL SPECIFICATIONS

HIGH TECH

- High image quality with a wire resolution of 40AWG and steel penetration of 38 mm (160kV) and 40mm (180kV).
- Meets all the international standards for health and safety of operators and members of the public.



Excellent image quality. Organic materials shown in orange, metal in blue and a mix of them in green.

- Drugs and explosives automatic detection and alarm.
- Random projection of images containing fictitious threat objects for operator skills training (TIP function).
- Continuous or region zoom functions for easy and precise evaluation of the image.
- Can export images in commercial file formats (JPEG, TIFF and BMP) onto a USB device.



Drug detection

- Ergonomic keyboard and simple operator interface provide efficiency and ease for the operator.
- Hardware and software customized to meet customer requirements.

GENERAL SPECIFICATIONS

- Tunnel Size 1010mm (W) / 1005mm (H)
- Conveyor Speed 0,24m/s (configurable)
- Max Load 200kg
- Standard Generator 160kV operating at 150kV
- High Power Generator 180kV operating at 170kV
- Wire Resolution* 40AWG
- Steel Penetration* 38mm (160kV) / 40mm (180kV)
- Display Monitor 2 LED, color, high-resolution (configurable size)
- Cooling Insulating oil with forced air cooling
- Beam direction Diagonally downward

STANDARD FEATURES

- Automatic color coding of materials with different atomic numbers.
- Image auto save
- Baggage Counter
- Continuous scanning
- Network connection
- Scanning in real time
- Threat image projection (TIP)
- High density alert
- Bidirectional inspection
- Self diagnostic system
- Automatic detection algorithm for drugs, explosives and high density materials
- CCTV video surveillance system
- radio intercom
- Storage capacity above 200,000 images
- Image processing tools: Zoom higher than 128x / Colored or black/white image / Edge enhancement / High penetration function / Sharpness enhancement / Color Inversion / Image export to JPEG, TIFF and BMP / Export to a secure VMI encrypted viewing application / Image manipulation in real time
- Integrated operators room
- Climate control
- Integrated power generator

SECURITY

- Shield Dose lower than 1uSv/h at 0.1m away from the equipment

OPTIONAL FUNCTIONS AND ACCESSORIES

- Customized painting
- Local language
- Standard ASTM or STP test piece
- Modular roller table
- Uninterruptible Power Supply
- Remote workstation software (Spectrum Ativa)
- WiFi capability
- Integration with Garrett's walk-through metal detector portals

GENERAL INFORMATION

- Dimensions 5900mm (L) / 2000mm (W) / 2700mm (H)
- Weight 4500kg
- Operating Temperature/ Humidity 0°C - 40°C / 5% ~ 95% (non-condensing)
- Storage Temperature/ Humidity -40°C - 60°C / 5% ~ 95% (non-condensing)
- Power Supply 220Vac / 230Vac (-15% ~ +10%); 50Hz/60Hz, +/-3Hz
- Power Consumption 5.0kVA



Operating cabin



Conveyor monitored by cameras



Climatized operation cabin

* According to VMI test piece

"Technical Specifications subject to change without notice."

VMI Security

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X-RAY SCANNERS

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