

Spectrum 6550

160 | 180 kV

The Spectrum 6550 is specifically designed to meet the needs and applications of airports, prisons, railways and subways, stadiums, courts, parcel services or wherever high security is required.



High Tech

- High image quality with a wire resolution of 40 AWG and steel penetration of 40 mm (160 kV), 44 mm (180 kV)
- Meets all of the international standards for health and safety of operators and members of the public
- 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
- Ergonomic keyboard and simple operator interface provide efficiency and ease for the operator
- Hardware and software customized to meet customer requirements



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



Drug detection



General Specifications

Tunnel Size	665 mm (W) / 520 mm (H)
Conveyor Speed	0.24 m/s (Configurable)
Conveyor Height	710 mm
Max Load	150 kg / 165 kg (Heavy duty roller optional)
Standard Generator	160 kV operating at 150 kV
High Resolution Generator	180 kV operating at 170 kV
Wire Resolution*	40 AWG
Steel Penetration*	40 mm (160 kV) / 44 mm (180 kV)
Display Monitor	LCD, colour, high-resolution (Configurable size)
Cooling	Insulating oil with forced air cooling
Beam direction	Diagonally upward

Standard Features

- Image export to JPEG, TIFF and BMP
- Image auto save
- Baggage Counter
- Network connection
- Scanning in real time
- Selfdiagnostic system
- Color Inversion
- Image manipulation in real time
- Storage capacity above 200,000 images
- Automatic detection algorithm for drugs, explosives and high density materials
- Threat image projection (TIP)
- Export to a secure VMI encrypted viewing application
- Sharpness enhancement
- Continuous scanning
- Zoom higher than 128x
- Colored or black/white image
- Edge enhancement
- High penetration function
- High density alert
- Automatic color coding of materials with different atomic numbers

Security

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

Optional Functions and Accessories

- | | |
|------------------------|---|
| Customized painting | - Anti-theft operation console with key |
| Training Software | - Uninterruptible Power Supply |
| Local language | - Remote management software |
| Remote workstation | - Tunnel extension |
| Standard test kit ASTM | - Touch screen monitor |
| Modular roller table | - Ability to integrate with conveyor system |

General Information

Dimensions	2080 mm (L) / 950 mm (W) / 1450 mm (H)
Weight	560 kg
Operating Temperature/ Humidity	0°C ~ 40°C / 5% ~ 95% (Non-condensing)
Storage Temperature/ Humidity	-40°C ~ 60°C / 5% ~ 95% (Non-condensing)
Power Supply	127 Vac / 220 Vac / 230 Vac (-15% ~ +10%); 50Hz/60Hz, +/-3Hz
Power Consumption	600 VA

*According to VMI test piece

We reserve the right to change specifications without notice in order to provide all latest functions