

## Spectrum 5536

110 | 160 kV

The Spectrum 5536 is a scanner with reduced dimensions and an optimum size tunnel, ideal for use in mailrooms, entrance halls, prisons and courts, schools and many other areas where security proves to be sensitive, revealing the need for inspection, with no manual contact of purses, bags, briefcases or packages. The 110kV, 160kV and 180kV x-ray generator allows the Spectrum 5536 to present the best image quality obtained on the market.



## High Tech

- High image quality with a wire resolution of 40 AWG and steel penetration of 16 mm (110 kV) 42 mm (160 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	556 mm (W) / 368 mm (H)
- Conveyor speed	0.24m/s (Configurable)
- Conveyor height	650 mm
- Max load	100 kg
- Standard generator	110 kV
- High resolution generator	160 kV operating at 150 kV
- Wire resolution*	40 AWG
- Steel penetration*	16 mm (110 kV) / 42 m (160 kV)
- Display monitor	LCD, colour, high resolution (Configurable size)
- Cooling	Insulating oil with forced air cooling
- Beam direction	Diagonally upward

## Standard Features

- Image auto save	- Baggage Counter
- Continuous scanning	- Zoom higher than 64x
- Colored or black/white image	- Threat image projection (TIP)
- High density alert	- Edge enhancement
- High penetration function	- Sharpness enhancement
- Image export to JPEG, TIFF and BMP	- Export to a secure VMI encrypted viewing application
- Network connection	- Scanning in real time
- Self diagnostic system	- Color Inversion
- Image manipulation in real time	- Storage capacity above 200,000 images
- Automatic detection algorithm for drugs, explosives and high density materials	- 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
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## Optional Features and Accessories

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

## General Information

- Dimensions	1450 mm (L) / 820 mm (W) / 1 170 mm (H)
- Weight	270 kg (110 kV) / 340 kg (160 kV)
- 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%); 50 Hz / 60 Hz, +/-3Hz
- Power consumption	400 VA

\*According to VMI test piece

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