



SECURITY

INNOVATIVE SOLUTIONS
FOR INSPECTION



EXCLUSIVE
EMBEDDED
ARTIFICIAL
INTELLIGENCE

** Image for illustrative purposes only*

SPECTRUM BODYSCAN HSV

High level of control and security for non-invasive body screening.

The Spectrum Bodyscan HSV offers a high level of security in the detection of metallic and non-metallic objects, positioned both on the surface and inside the body, making it an essential solution for inspections in highly critical environments such as airports, correctional facilities, mining operations, and border control checkpoints.

Equipped with high-sensitivity detectors and an advanced set of sensors for identifying the positioning and physical characteristics of the individual, the system enables the acquisition of high-resolution images with extremely low radiation dose levels.

This technology ensures a safe, precise, and efficient inspection process, meeting the highest standards of performance, reliability, and regulatory compliance.

- ✓ Dosimeter integrated into the system
- ✓ Low dose
- ✓ Non-invasive inspection

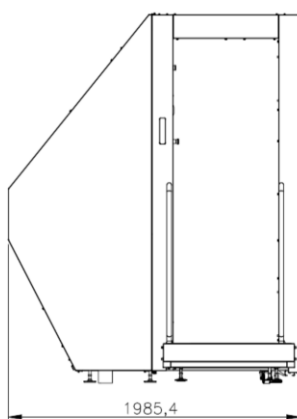
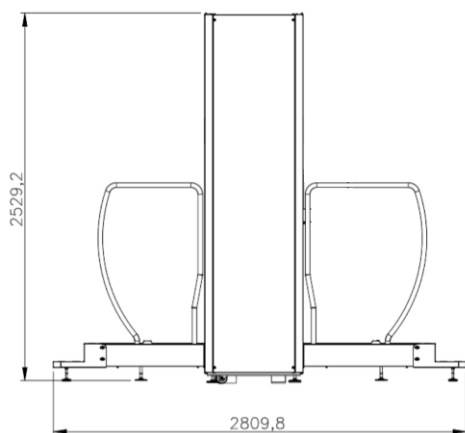
Ideal for prisons, penitentiaries, pre-trial detention centers, jails, and other facilities that require high inspection efficiency..

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Learn more about this
solution by scanning
the QR code



SPECTRUM BODYSCAN HSV



TECHNICAL DATA

STANDARD FUNCTION

Dimensions of the inspection channel:
2096 mm (H) / 719 mm (W)

Conveyor type:
Rubber conveyor belt driven by rollers

Scan time:
7 seconds

Load Capacity:
200kg

Inspection dose scale:
High, medium, and low

Generators:
170 kV with additional filter

Wire Resolution*
38 AWG

X-ray detectors:
Full body

Technology:
Single View

Dose per inspection:
0,09 µSv to 0.76 µSv

*According to VMI Test Piece

IMAGE PROCESSING RESOURCES

- Zoom / Pan
- Contrast
- Gamma correction
- Edge enhancement
- Smoothing
- Black/White inversion
- Pseudo-colorization
- Image printing
- Comparison of images of the same individual
- Image export in JPG, TIFF, BMP, and VMI formats
- Allows full-body scanning, including the soles of the feet
- Enables separate scanning of the abdominal region
- Option to add annotations
- Dual workstation, allowing the operator to perform inspection and image viewing only for individuals of the same sex

OPTIONAL FEATURES AND ACCESSORIES

- Identification camera that captures a facial photo of the inspected individual at each inspection.
- Inspection camera that allows recording of the inspection process.
- Biometric system for operator identification.
- Mobile privacy screen for the operating table.
- High-resolution touchscreen monitor.
- Biometric system for identification of the inspected individual.
- Shielded cabin.
- Two high-resolution monitors: one for full-body visualization and the second for focused viewing of the abdominal region.
- Integrated intercom.
- Multi-equipment management platform.

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GENERAL DATA

Dimensions (without cab):
2820 mm (L) / 1985 mm (W) / 2537 mm (H)

Dimensions (with cab):
2840 mm (L) / 2047 mm (W) / 2620 mm (H)

Approximate weight (without cab):
840 kg

Approximate weight (with cab):
1680 kg

Power:
780 VA

Storage temperature and humidity:
-40°C to 60°C / 5% to 95% (non-condensing)

Operating temperature and humidity:
0°C to 50°C / 5% to 95% (non-condensing)

Power Supply:
110 -127 VAC / 208 - 240 VAC (-15% to +10%); 50 Hz/60 Hz, +/-3 Hz

Monitor:
24-inch monitors for the full body and abdomen (configurable sizes)

RESOURCES

- Operator alert in situations where the number of scans exceeds the acceptable limit according to the permitted dose threshold.
- Login for different profiles, with access control according to each profile.
- Automatic control of the accumulated dose for each inspected individual.
- Two monitors: the main monitor for full-body image display and a second monitor focused on the abdominal region.
- Integration with Spectrum baggage inspection equipment, enabling synchronization of operator, user, and image records.
- Operator and inspected individual registration system.
- Tagging and classification of suspicious individuals.
- Reports in Portuguese.
- Secure login with password for equipment operation.
- Database backup and recovery.
- Image comparison function for the same individual, facilitating the identification of irregularities and reducing inspection time.
- High-resolution image acquisition from the soles of the feet to the head.
- Integration with video surveillance systems via the ONVIF standard.



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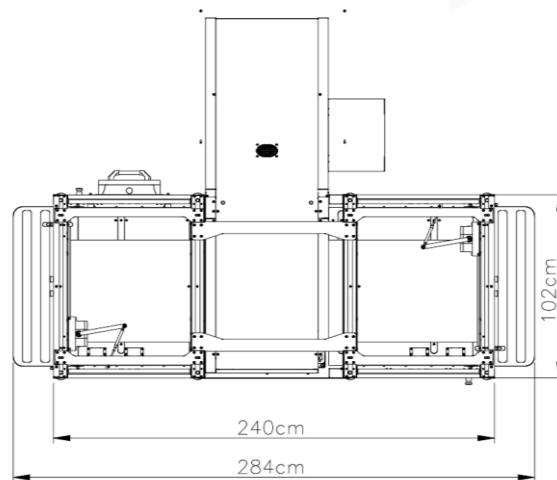
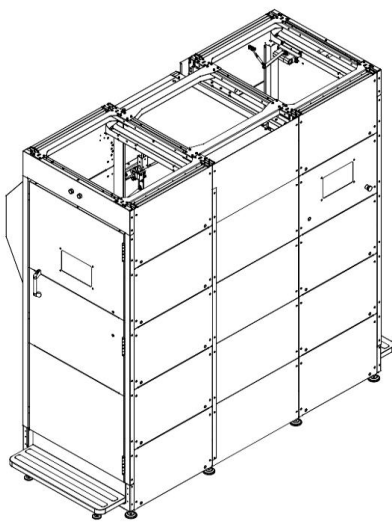
CERTIFICATIONS AND APPROVALS



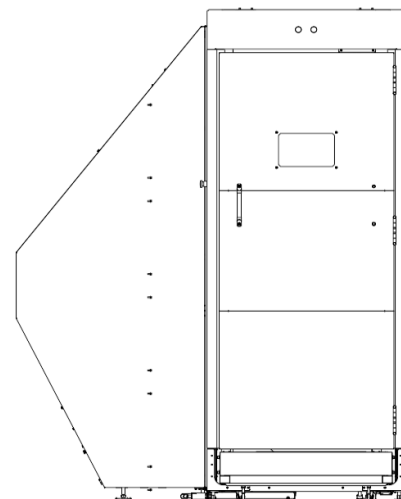
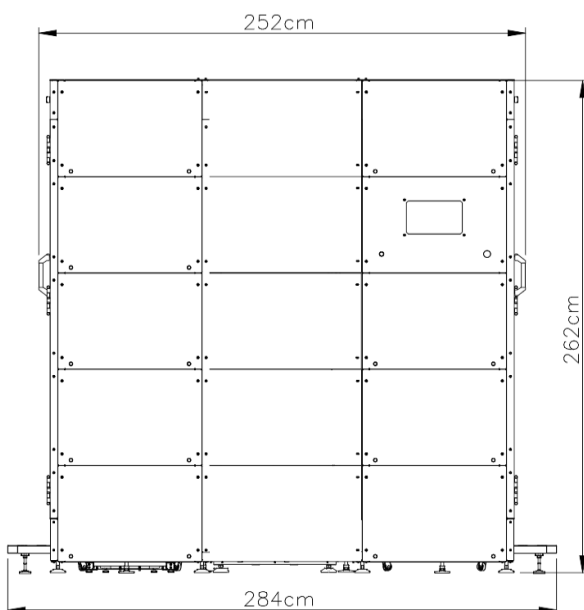
SAFETY ITEMS

- Integrated dosimeter (optional) Intercom between the inspected individual and the operator (optional)
- Emergency button for activation by the inspected individual
- Compliant with ANSI 43.17:2009 standards
- Operator login via password and/or biometrics (optional)
- Search for the inspected individual via biometrics (optional)
- Server for dose integration across multiple SPECTRUM equipment units
- Generation of reports on the number of inspections per individual and cumulative dose

SHIELDED CABIN



*OPTIONAL ACCESSORY



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EXCLUSIVE RIGHT TO PUBLISH THE
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