



SECURITY

X-RAY SOLUTIONS



www.vigilsecuritysystems.com

09/26/2019

SPECTRUM BODYSCAN SV/DV

The SPECTRUM BODYSCAN SV/DV is capable of providing the highest level of safety in accordance with the requirements for prisons, airports, border venues, and government facilities. Designed with the latest technology, the low dose X-rays combined with the short time of only 7 seconds of the inspection system provides excellent detection for dangerous weapons and contraband such as guns, knives, razors, needles, liquids, explosives, drugs, wires, organic and inorganic materials, and plastics.

SPECTRUM BODYSCAN SV Technology scans with a very low dose and low intensity X-ray transmission system. Due to its extremely low dose of radiation, the SPECTRUM BODY SCANNER has the technology that can be applied safely to inspect personnel while detecting objects hidden on or within the body.



The SPECTRUM BODYSCAN SV technology is implemented in a variety of VMI products and provides an exceptional level of detection, safety, and efficiency. SPECTRUM BODYSCAN SV provides complete security for protection of establishments such as airports, correctional facilities, courthouses, stadiums, arenas, casinos, hotels, embassies, government buildings, and much more.

SPECTRUM BODYSCAN SV model is upgradable to dual view model, at an additional cost.



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STANDARD FEATURES

Radiation Safety

- For full body
- Integrated dosimeter (optional)
- Intercom between the operator and the Individual inspected (optional).
- Visual signal when the scanner is on and scanning.
- The emergency button can be activated by the inspected person
- Console with key and emergency button for activation/ deactivation of equipment by the operator
- The shielded cabin (optional) when installed reduces the approximate maximum x-ray leakage to $<1\mu\text{Sv/h}$ at 10cm which is ideal for confined and restricted areas.

Database Features

- Warns the operator if the inspected person exceeded the number of acceptable scans or dosage limits
- Secure login password to operate the equipment
- Image ID: Identify the person being screened.
- Automatic control of the accumulated dose for each individual inspected
- Automatic capture photo/video of the person being scanned (with optional video camera)
- A registration system for inspected person
- Biometry
- Database integration with other systems in one network (optional)
- Automated Backup and Recover

Image processing features

- Zoom / Pan
- Auto Contrast adjustment
- Correction range
- Edge enhancement
- Control brightness and contrast
- Reverse Black / White
- Image Export
- Printing images
- Enables scan of the entire body including the soles of the shoes



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TECHNICAL SPECIFICATION

X-ray image properties

- The dimension of inspection channel 2096mm (H) X 698mm (W)

Scanning Process

- Carrier type: Conveyor belt
- Scanning time 7 seconds
- Load capacity: 200kg

X-ray generator (whole-body image)

- Anode Voltage in Operation:..... 170kV
- Wire resolution:..... 38AWG
- X-ray detectors: Whole-body
- Displays: 24" for full body High resolution LCD monitor

Dose per Inspection:

- Single View mode: 0.2 to 2.0 μ Sv (fully adjustable)

Dimensions

- | | without cab/ . with cab. |
|---|--|
| • Length: | 2830mm/ 2840mm |
| • Width: | 1981mm/ 2047mm |
| • Height: | 2541mm/ 2603mm |
| • Weight: | 836,5kg /1676kg |
| • Voltage: | 127/220VAC, single phase,
50/60 Hz, phase, neutral and ground |
| • Power: | 1kVA |
| • Operating temperature: | 0 to 50°C 5% to 95% noncondensing |
| • Storage temperature and humidity: | -40°C to 60°C / 5% to 95%
noncondensing |





S E C U R I T Y



call 817 891-4994

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AFFORDABLE POWERFUL HIGH IMAGE RESOLUTION X-RAY BODYSCANNER SYSTEMS

AVAILABLE IN SINGLE VIEW AND DUAL VIEW



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BODY SCANNING X-RAY TECHNOLOGY EXPERIENCE THE POWER



SPECTRUM SV

\$88,000.00

SPECTRUM DV

\$ 120,000.00





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