



IMAGES ARE SUBJECT TO CHANGE

## Powerful 3D Perspective™ Technology

The XR3D-50, powered by BioSans™, is an easy to operate, single view scanner that provides operators with extremely detailed, more revealing images, enhanced detection capabilities and a very low cost of ownership.

With a tunnel opening of 550 mm wide by 350 mm high (21.7" x 13.8"), the XR3D-50 is the ideal solution for a variety of usages such as critical infrastructures, transportation and border operations where screening of parcels, bags and mail is required.

VOTI's scanners employ innovative 3D Perspective™ technology to deliver exceptional threat detection capabilities. Through an advanced intuitive touch screen interface, operators can manipulate and enhance scanned images in a variety of ways to better pinpoint and evaluate potential threats. The overall threat detection process is enhanced by a suite of software guided tools and features, including extended and configurable threat libraries.

## Product Highlights

- 3D Perspective™ Multi Energy Imaging
- Icon-Driven GUI with LCD Touch Screen
- Threat Alert and Material Classification
- One-touch, Instant View Last Five Bags
- Dynamic Pseudo Density Layering
- Multilingual Operation
- Auto-Archiving
- Network-Ready

## General Specifications

<b>Dimensions:</b>	Length (L): 2084 mm (82.0")
	Height (H): 1349 mm (53.1")
	Width (W): 766 mm (30.2")
<b>Conveyor height:</b>	762 mm (30") from floor
<b>Tunnel size:</b>	550 mm x 350 mm (21.7" by 13.8")
<b>Max. object size:</b>	535 mm x 325 mm (21.1" by 12.8")
<b>Conveyor speed:</b>	0.22 m/s (44'/min.) variable speed, bi-directional
<b>Conveyor load:</b>	165 kg (364 lbs) max. evenly distributed weight
<b>Approx weight:</b>	421 kg (928 lbs)
<b>System power:</b>	110/240 VAC 10/5 A 50/60 Hz

## X-ray Generator and Image Performance

<b>Generator:</b>	Single x-ray generator operating at 140kV
<b>Cooling:</b>	Sealed oil bath
<b>Orientation:</b>	Diagonal upwards
<b>Duty cycle:</b>	100%
<b>Detectors:</b>	Multi energy silicone photo diodes for color coding and material classification
<b>Wire resolution:</b>	Up to 40 AWG
<b>Steel penetration:</b>	Up to 30 mm*

\*As measured on VOTI proprietary test piece.

## Computer Specifications

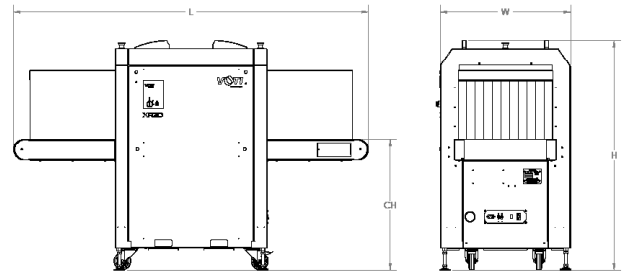
<b>Networking:</b>	WiFi/Ethernet/LTE options
<b>Monitor:</b>	24" colour LCD touch screen Resolution: 1920 x 1080

## Operating Environment

<b>Storage temperature:</b>	-20 to 60°C
<b>Operating temperature:</b>	+0 to 40°C
<b>Relative humidity:</b>	Up to 95% non-condensing

Certified to UL 61010-1, CAN/CSA 22.2 No. 61010-1-04, IEC 61010-1:2001  
CE compliant: 2006/95/EC, 2006/42/EC, 2004/108/EC  
FCC part 15  
FDA title 21, CFR 1010.2  
FDA title 21, CFR 1010.3  
FDA title 21, CFR 1020.4  
Health Canada RED Act & Safety Code 29  
Maximum x-ray leakage: meets all applicable laws and regulations with respect to x-ray emitting devices  
Film safety: ISO 1600/33 DIN

## Dimensions



## Standard Features

- 3D Perspective™ multi energy imaging
  - LCD touch screen
  - Multilingual operations
  - Remote technical support
  - Secure USB port for external storage available through BioSans™ software
  - Auto-archiving (>210,000 sessions)
  - One-touch instant view of last 5 bags
  - 50 cm shrouds
  - Fully automatic, software-driven tube seasoning
  - Network ready
  - Automatic built in test & self diagnosis
  - Scanned object counter
  - Archive management module
  - Administration module
  - Restricted secure access key
  - Bi-directional scanning
  - VotiIMAGE™
    - Image Edge Enhancement (IEE)
    - Black & white and inverse video
    - Variable contrast control
    - Digital zoom to 64x, pan and flip
    - Dynamic pseudo layering
  - VotiMAT™
    - Z<sup>eff</sup> color image
    - Organic / inorganic stripping
    - Z<sup>eff</sup> based calculation
  - VotiDENS™
    - Automatic High Density Alert (HDA)
- HD and VHD enhancement



## Applications & Options

- Digital picture of objects scanned (only in single scan mode)
- Extended roller tables
- Pressure sensitive mat
- Additional LCD touch screen
- Uninterruptible power supply (UPS)
- Power conditioner
- Stainless steel conveyor covers
- Operator console
- Monitor/console display stand
- Operator workstation
- VotiALERT™
  - Threat Detection Assistance with alerts for operator
  - Material Classification
  - Suspect Archive Tagging and Lookup
- VotiRAM™
  - Risk Assessment Management (RAM) module with customizable operation and detection parameters
  - 5 security Levels
- VotiTIP™
  - Threat Image Projection software
  - TIP management system software
- VotiPMD™
  - Auto-detection of precious metals such as gold and platinum
- VotiMAIL™
  - Dynamically adjust the signal strength of the x-ray generator to visualize low-density objects

These specifications are subject to change without notice.  
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