



POWERFUL 3-D PERSPECTIVE TECHNOLOGY

The **XR3D-10** is an easy to operate, single or dual source 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 39.4" by 39.4" (1000 mm x 1000 mm), the XR3D-10 is the ideal solution for critical infrastructures, transportation and border operations where screening of parcels, bags and small cargo is required.

VOTI's scanners employ innovative new feature sets to deliver exceptional threat detection capabilities. Through an advanced ergonomic 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 automatically, by a suite of software guided tools and feature sets, including extended, configurable threat libraries.

PRODUCT HIGHLIGHTS

- 3-D Perspective Dual Energy Imaging
- Icon-driven GUI with LCD touch screen
- Threat Alert and Material Classification
- Automatic Risk Assessment
- Digital Picture of Scanned Objects
- One-touch, Instant View Last Five Bags
- Dynamic Pseudo Density Layering
- Multilingual Operation
- Auto-Archiving
- Network-Ready
- Field Upgradable to Dual Source (Kit)

General Specifications

Dimensions:	Length (L): 109.8" (2789 mm)
	Height (H): 73.3" (1861 mm)
	Width (W): 61" (1548 mm)
Conveyor height:	13.2" (334 mm) from floor
Tunnel size:	39.4" by 39.4" (1000 mm x 1000 mm)
Conveyor speed:	44"/min. (0.22 m/s) variable speed, bi-directional
Conveyor load:	440 lbs (200 kg) max. evenly distributed weight
Approx weight:	2,750 lbs (1250 kg)
System power:	110-240 VAC 5-10 amps. Automatic switch

X-ray Generator and Image Performance

Generator:	Single or dual generator operating at 160 kV (field upgradable to dual source with add-on kit)
Cooling:	Sealed oil bath
Orientation:	Digaonal downwards
Duty cycle:	100%
Detectors:	Dual energy silicone photo diodes for color coding and material classification
Wire Resolution:	Up to 38 AWG
Steel Penetration	Up to 35 mm

Computer Specifications

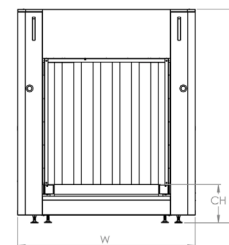
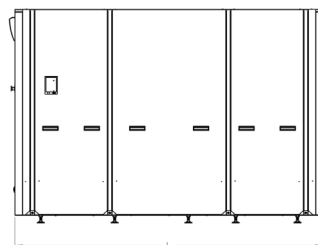
Networking:	RJ45 network connection port, USB storage port for external storage and portable media
Monitor:	22" colour LCD, touch screen Resolution: 1280 x 1024

Operating Environment

Storage temperature:	-20 to 60°C
Operating temperature:	0 to 40°C
Relative humidity:	Up to 95% non-condensing

Compliance

USA FDA 21 CFR 1020.40
Health Canada Radiation Emitting Devices Act
Maximum X-ray leakage of less than 5 μ Sv/h (0.5 mR/h) measured at 5 cm from any external surface. (European standard - less than 1 μ Sv/h (0.1 mR/h) measured at 10 cm from any external surface)
UK Health & Safety at Work Act 1974-6 (Amended by the Consumer Protection Act 1987)
Film safety: ISO 1600/33 DIN
CE Compliant: 2006/95/EC, 2006/42/EC, 2004/108/EC



STANDARD FEATURES

- 3-D perspective dual energy imaging
- LCD touch screen
- Multilingual operation
- Digital photo of scanned object
- Auto-archiving (over 70,000 sessions)
- One-touch instant view of last 5 bags
- Fully automatic, software-driven tube seasoning
- Network ready
- Automatic built in test & self diagnosis
- Scanned object counter
- Archive management module
- Administration module
- Secure access key
- Operator training image library
- Uninterruptable power supply (UPS)
- Bi-directional scanning
- VOTI-IMAGE
 - Image Edge Enhancement (IEE)
 - Black & white and inverse video
 - Variable contrast control
 - Digital zoom to 64x, pan and flip
 - Dynamic Pseudo Layering
- VOTI-MAT
 - Z^{eff} color image
 - Organic / inorganic stripping
 - Z^{eff} based calculation
- VOTI-DENS
 - Automatic High Density Alert (HDA)
 - HD and VHD enhancement

MODULES & OPTIONS

- VOTI-ALERT
 - Threat assessment management system with automatic threat alert and material classification
 - Inspection & Tagging Recommended (ITR)
 - Area of Interest Highlighting (AIH)
- VOTI-RAM
 - Risk Assessment Management (RAM) Module with customizable operation and detection parameters
 - 5 Security Levels
- VOTI-RAV
 - Remote Archive Viewer and secondary screening of up to 5 VOTI x-ray scanners
 - Backup storage/archiving of scans
- VOTI-TIP
 - TIP Management Software with image libraries
- VOTI-LAB
 - Specialized module for advanced threat analysis
- Extended roller tables
- Extended shrouds (50cm)
- Pressure sensitive mat
- Toggled generator voltage control
- Field upgradable to dual source (Kit)

