

POWERFUL DUAL-ENERGY IMAGING TECHNOLOGY

The **XR3D-4** is an easy to operate, dual-energy scanner that provides operators with extremely detailed, more revealing images, enhanced detection capabilities and a very low cost of ownership.

Designed for scanning mail and small parcels, the XR3D-4 is the ideal solution for secured facilities where space is a premium, such as embassies, courthouses, prisons and executive offices.

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

- 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

General Specifications

Dimensions:	Length (L): 40.7" (1033 mm)
	Height (H): 53.9" (1369 mm)
	Width (W): 26.9" (684 mm)
Chamber size:	15.8" L x 19" H x 16.9" W (401 x 483 x 429 mm)
Approx weight:	770 lbs (350 kg)
Chamber load (max.):	55 lbs (25kg)
System power:	110-240 VAC 5-10 amps. Automatic switch

X-ray Generator and Image Performance

Generator:	Single generator, operating from 80-120 kV
Cooling:	Sealed oil bath
Orientation:	Upwards
Duty cycle:	100%
Detectors:	Dual energy silicone photo diodes for color coding and material classification
Wire resolution:	Up to 40 AWG
Steel penetration:	Up to 18 mm

Computer Specifications

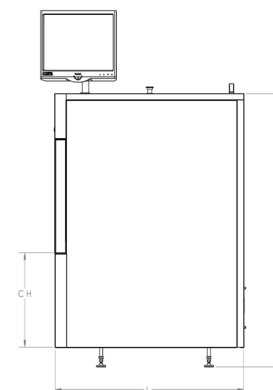
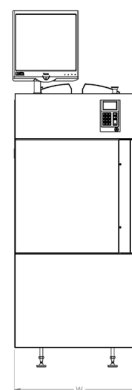
Networking:	RJ45 network connection port, USB storage port for external storage and portable media
Monitor:	22" colour LCD, touch screen Resolution: 1280 x 1024

Operating Environment

Storage temperature:	-20 to 60°C
Operating temperature:	0 to 40°C
Relative humidity:	5 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
UL Listed NYQD71



STANDARD FEATURES

- 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
- Mail button: toggled generator voltage control
- 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)
- 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-RAV
 - Remote Archive Viewer and secondary screening of up to 5 VOTI x-ray scanners
 - Backup storage/archiving of scans
- VOTI-LAB
 - Specialized module for advanced threat analysis

