

# RAPISCAN 627DV



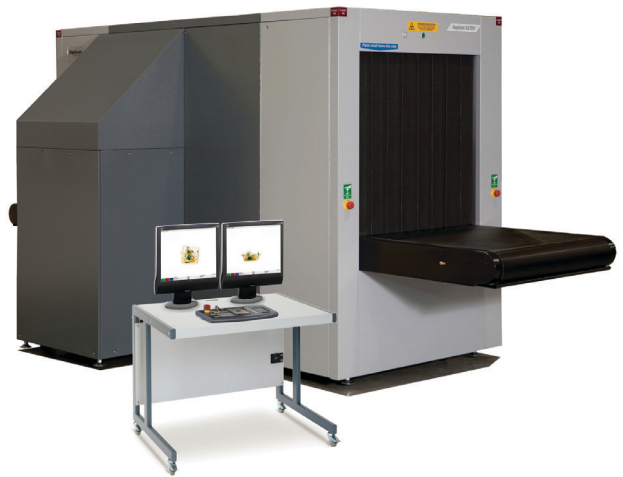
High tunnel with dual view technology for comprehensive X-ray screening of large baggage and parcels.

Large Parcel and Small Cargo Screening

Dual View Technology

Complex Parcels

Cost Effective



With a wide tunnel opening of 1,000 mm x 1,000 mm, the Rapiscan 627DV is designed for screening small cargo and parcels for customs, air cargo and infrastructure protection screening applications.

The Rapiscan 627DV has been approved and included on the U.S. TSA Air Cargo Screening Technology List (ACSTL) applicable to U.S TSA Certified Cargo Screening program (CCSP) as well as the Qualified Equipment and Services Lists applicable to the Transport Canada (TC) Air Cargo Security Program (ACS).

Tunnel Opening (width x height):  
1,000 x 1,000 mm (39.4 x 39.4 in)

## Standard Features

- Multi Energy Imaging (4 Color)
- View Previous/Next Bag
- Manual Image Archive
- Configurable Image Processing Keys
- Baggage Counter
- Date / Time Display
- Search Indicator
- UPS (Uninterrupted Power Supply)
- Remote Workstation
- Flat Panel Monitor

## Standard Image Processing Functions

- Crystal Clear™
- Black and White
- Organic / Inorganic Stripping
- Inverse Video
- High Penetration
- Pseudo Color
- Low Penetration
- Variable Edge Enhancement
- Variable Color Stripping
- Variable Gamma
- Variable Density
- Dynamic Continuous Zoom & Panning
- Fixed Zoom (64x)

### Automatic Detection of Explosives

Target™ automatically detects a wide range of explosives in real time during the scanning process by visibly highlighting a potential threat on the X-ray image.

### Automatic Detection of Narcotics

NARCSan™ automatically detects a wide range of narcotics in real time during the scanning process by visibly highlighting a potential threat on the X-ray image.

### Meeting Today's Most Stringent Global Requirements

Rapiscan 627DV meets the most rigorous detection and image quality requirements as set by the U.S. Transportation Security Administration (TSA), U.K. Department of Transport (DfT), French civil aviation authority (STAC) and Transport Canada (TC).

### Regulatory Compliance

Rapiscan 627DV image quality performance is in compliance with regulation (EC) No. 300/2008. In addition, Rapiscan 627DV Threat Image Projection (TIP) is in compliance with regulation (EU) No. 185/2010.

### Dual View Advanced Technology

Government regulators including U.S. Transportation Security Administration (TSA) require dual view technology. Rapiscan dual view systems are able to produce two (2) separate simultaneous images from perpendicular orientations providing a more complete image, reducing the need for repositioning and rescanning and enabling rapid, accurate and comprehensive threat detection.



**Rapiscan**<sup>®</sup>  
systems

An OSI Systems Company

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## Physical Specifications

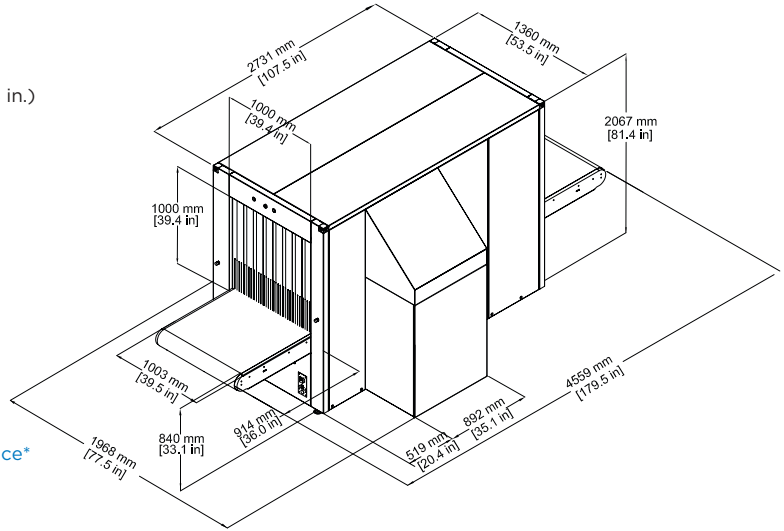
Dimensions: Length: 4,559 mm (179.5 in.)  
 Width: 1,968 mm (77.5 in.)  
 Height: 2,067 mm (81.4 in.)  
 Tunnel Size: 1,000 mm (W) x 1,000 mm (H) (39.4 x 39.4 in.)  
 Conveyor Speed: 0.20 m/sec (39.4 ft./min)  
 Conveyor Load: 165 Kg (364 lbs) evenly distributed  
 Conveyor Height: 840 mm (33.1 in.)  
 Approx Weight: Net: 1,653 Kg (3,644 lbs)  
 System Power: 115/230 VAC ±10% , 60/50Hz

## Standard X-Ray Generator and Image Performance\*

Steel Penetration: 28 mm guaranteed; 30 mm typical  
 Wire Resolution: 38 AWG guaranteed, 40 AWG typical  
 Material Separation: Low Z, Medium Z, High Z to 0.5 Z accuracy  
 Generator Cooling: Sealed oil bath with forced air  
 Anode Voltage: Operating at 140kV  
 Tube Current: 0.7 mA  
 Orientation: Vertical and Horizontal

## High Penetration X-Ray Generator Option and Image Performance\*

Steel Penetration: 35 mm guaranteed, 40 mm typical  
 Wire Resolution: 38 AWG guaranteed, 40 AWG typical  
 Anode Voltage: Operating at 160KV  
 Tube Current: 1.0 mA



## Operating Environment

Storage Temperature: -20°C to 50°C  
 Operating Temperature: 0°C to 40°C  
 Relative Humidity: 5 to 95% non-condensing

## Health & Safety

Rapiscan Systems' cabinet X-ray products comply with all applicable US FDA and equivalent international regulatory agency requirements, contained in the cabinet X-ray radiation safety performance standard [21 CFR 1020.40] and the general performance standard [21 CFR Part 1010]. Rapiscan Systems certifies each cabinet X-ray product has a maximum radiation emission leakage of less than 1 µSv/hr (0.1 mR/hr) from all external surfaces of the cabinet X-ray system.

## Options and Accessories

Target™ / Interactive Target™ (Automatic detection of solid explosives)	Computer Based Operator Training (CBT)
NARCSan™ (Automatic detection of narcotics)	Operator Training Program (OTP)
Density Threshold Alert (DTA)	Manual Scan
Threat Image Projection (TIP)	Operator Pedestal
Threat Image Projection Network (TIPNet)	Foot-mat
NETView™ (Remote network image archive review)	Optical Operator Presence Sensor
NEXLink™ (Advanced network X-ray management automation and link system)	SmartCard Login
Multi-System Alarm Resolution Network	Power Conditioner
Display Station (NDS)	Conveyor Accessories
Automatic Image Archiving	Remote Workstation
Enhanced Image Archiving	High Penetration X-ray Generator
	Universal Printer Support

\*Stated performance as measured by Rapiscan Imaging Validation Test Kit.  
 Stated Dual View performance as measured in primary view.

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.

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Rapiscan Systems is  
 ISO 9001:2008 Certified

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