

LARGE 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

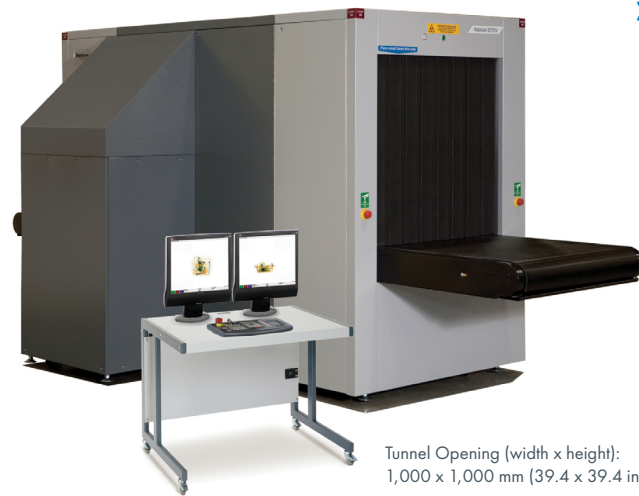
COST EFFECTIVE

#### STANDARD FEATURES

- Multi Energy Imaging (4 Color)
- View Previous/Next Bag
- Image Archive
- Configurable Image Processing Keys
- Baggage Counter
- Date / Time Display
- Search Indicator
- UPS (Uninterrupted Power Supply)
- Multi Language Support
- 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)



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



WITH A LARGE 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) and the Transport Canada (TC) Air Cargo Security Program (ACS).

#### DETECTION OF EXPLOSIVES AND NARCOTICS ALERT

Target™ and NARCScan™ are designed to assist operators in the detection of a wide range of explosives and narcotics respectively in real time during the scanning process by marking a potential threat on the X-ray image. Rapiscan detection algorithms are based on regulatory material analysis techniques.

#### 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), French civil aviation authority (STAC), and Transport Canada (TC).

#### REGULATORY COMPLIANCE

Rapiscan 627DV performance is in full compliance with the European Union regulations (EC No. 300/2008, (EU) No. 2015/1998 and Commissions Decision C (2015)8005 for aviation security.

#### DUAL VIEW ADVANCED TECHNOLOGY

As mandated by US and EU regulators, the 627DV utilizes a Dual View technology which produces two simultaneous images (vertical and horizontal views) of the scanned object. It provides a more complete image, thereby reducing the need for repositioning and rescanning and enabling rapid, accurate and comprehensive threat detection.

#### EASE OF USE PROVIDING HIGHEST THROUGHPUT

With over 13 image processing tools and detection alert algorithm functions, the feature rich software allows the operator to more easily and accurately search for contraband.

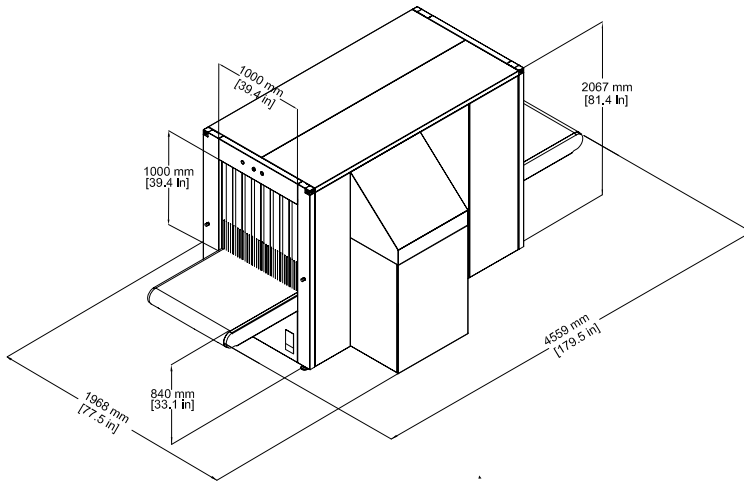
#### DARC ALARM

Rapiscan's proprietary detection algorithm that detects areas of high density while screening air cargo. Rapiscan collaborated closely with the U.K. Department for Transport to create DARC alarm and jointly executed the necessary test trials to verify the effectiveness of the DARC Alarm algorithm.



# RAPISCAN 627DV

**Rapiscan**<sup>®</sup>  
systems  
An OSI Systems Company



## 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 GENERATOR/ IMAGE PERFORMANCE<sup>1</sup>

Steel Penetration:	30 mm typical; 28 mm standard
Wire Resolution:	40 AWG typical; 38 AWG standard
Generator Cooling:	Sealed oil bath with forced air
Anode Voltage:	Operating at 140kV
Tube Current:	0.7 mA
Orientation:	Vertically Upward

## HIGH PENETRATION GENERATOR/ IMAGE PERFORMANCE<sup>1</sup>

Steel Penetration:	40 mm typical; 35 mm standard
Wire Resolution:	40 AWG typical; 38 AWG standard
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

## PROTECTION CLASS

System:	IP20
Operator Control Panel:	IP43 <sup>2</sup>

## REGULATORY

- TSA Air Cargo Screening Technology List (ACSTL) Qualified
- Transport Canada (TC) Air Cargo Qualified
- Regulation (EC) No. 300/2008 Compliant
- Regulation (EU) No. 2015/1998 Compliant
- EU Commissions Decision (EU) C(2015)8005 Compliant
- French Civil Aviation Authority (STAC) Certified

## HEALTH & SAFETY

Rapiscan Systems' cabinet X-ray products comply with all applicable U.S. 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] as well as IEC standard 61010-2-091.

Rapiscan baggage and parcel inspection systems radiation emission leakages are well below the required regulatory limits with less than 1 µSv/hr at 10 cm from all surfaces of cabinet X-ray.

## OPTIONS AND ACCESSORIES

- Explosives Detection Alert (Target™)
- Narcotics Detection Alert (NARCScan™)
- Density Threshold Alert (DTA)
- Threat Image Projection (TIP)
- Threat Image Projection Network (TIPNet)
- Remote Image Archive Review (NETView™)
- Network X-ray management automation and link system (NEXLink™)
- Multi-System Alarm Resolution Network Display Station (NDS)
- Automatic Image Archiving
- Enhanced Image Archiving
- Operator Training Program (OTP)
- Manual Scan
- Operator Pedestal
- Foot Mat
- Optical Operator Presence Sensor
- SmartCard Login
- Power Conditioner
- Conveyor Accessories
- Remote Workstation
- Universal Printer Support

<sup>1</sup> Stated performance as measured by Rapiscan Imaging Validation Test Kit. Stated Dual View performance as measured in primary view.

<sup>2</sup> With optional replaceable cover.

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.

## AMERICAS, CARIBBEAN

2805 Columbia Street  
Torrance,  
California  
90503  
UNITED STATES of AMERICA

Tel: +1 310-978-1457  
Fax: +1 310-349-2491

## EUROPE, MIDDLE EAST, AFRICA

X-Ray House  
Bonehurst Road  
Salfords  
Surrey RH1 5GG  
UNITED KINGDOM

Tel: +44 (0) 870-7774301  
Fax: +44 (0) 870-7774302

## ASIA

240 Macpherson Road  
#07-01 Pines Industrial Building  
Singapore  
348574  
SINGAPORE

Tel: +65-6846-3511  
Fax: +65-6743-9915



Rapiscan Systems is ISO 9001:2008 Certified  
and ISO 14001:2004 + Cor. 1:2009

[sales@rapiscansystems.com](mailto:sales@rapiscansystems.com)  
[www.rapiscansystems.com](http://www.rapiscansystems.com)