

# RAPISCAN 638DV



Dual view technology, large tunnel design for ULD and pallet cargo X-ray screening.

Advanced Cargo Screening

Dual View Technology

ULD Type and Pallet Cargo

Automatic Detection of Explosives and Narcotics



The Rapiscan 638DV is an advanced Dual-View X-ray system for screening of ULD, ISO standard, lower deck and large cargo pallet type freights. With a large and spacious tunnel size of 1,837 mm x 1,800 mm, Dual View technology and Automatic Explosives Detection feature, the Rapiscan 638DV is widely used for air cargo screening and customs applications where throughput is most important.

The Rapiscan 638DV 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):  
1,837 x 1,800 mm (72.3 x 70.9 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 638DV meets the most rigorous detection and image quality requirements as set by the U.S. Transportation Security Administration (TSA).

### Regulatory Compliance

Rapiscan 638DV image quality performance is in compliance with regulation (EC) No. 300/2008. In addition, Rapiscan 638DV Threat Image Projection (TIP) is in compliance with regulation (EU) No. 185/2010.

### Greatest Number of Operator-Assist Tools Enables Highest Throughput

With over 13 image processing tools and multiple automatic detection functions, the feature rich software helps the operator easily and accurately detect contraband for the highest throughput and least operator fatigue.

### Dual View Advanced Technology

Government regulators such as 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

[www.rapiscansystems.com](http://www.rapiscansystems.com)

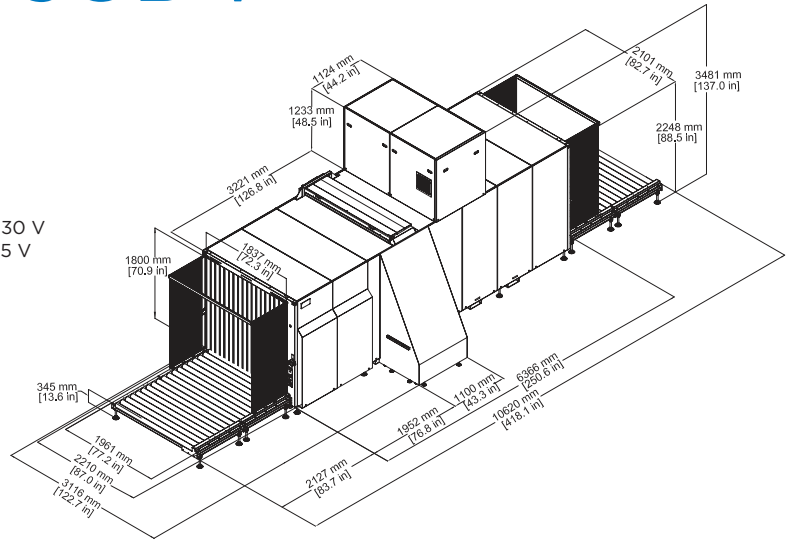
# RAPISCAN 638DV

## Physical Specifications

Dimensions:	Length: 10,620 mm (418.1 in.) Width: 3,116 mm (122.7 in.) Height: 3,481 mm (137.0 in.)
Tunnel Size:	1,837 mm (72.3 in.) X 1,800 mm (70.9 in.)
Conveyor Speed:	0.20 m/sec (39.4 ft./min)
Conveyor Load:	3,000 Kg (6,614 lbs) evenly distributed at 230 V 1,500 Kg (3,307 lbs) evenly distributed at 115 V
Conveyor Height:	345 mm (13.6 in.)
Approx Weight:	Net: 6,312 Kg (13,915 lbs)
System Power:	115/230 VAC ±10% , 60/50Hz

## X-Ray Generator and Image Performance\*

Steel Penetration:	45 mm guaranteed, 50 mm typical
Wire Resolution:	38 AWG guaranteed, 40 AWG typical
Material Separation:	Low Z, Medium Z, High Z to 0.5 Z accuracy
Cooling:	Sealed oil bath with forced air
Anode Voltage:	Operating at 200KV
Tube Current:	1.0 mA
Orientation:	Vertically Downward and Horizontal



## 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)	Foot-mat
Threat Image Projection Network (TIPNet)	Optical Operator Presence Sensor
NETView™ (Remote network image archive review)	SmartCard Login
NEXLink™ (Advanced network X-ray management automation and link system)	Power Conditioner
Multi-System Alarm Resolution Network Display Station (NDS)	Roller Bed Accessories
Automatic Image Archiving	Universal Printer Support
Enhanced Image Archiving	

\*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.

## 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

## EMAIL

sales@rapiscansystems.com

## WEB

www.rapiscansystems.com

**Rapiscan**  
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Rapiscan Systems is  
ISO 9001:2008 Certified

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