# 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).

#### **Automatic Detection of Explosives**

Target $^{\mathbb{M}}$  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**

NARCScan™ 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.

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)











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#### **Physical Specifications**

Length: 10,620 mm (418.1 in.) Dimensions:

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.)

0.20 m/sec (39.4 ft./min) Conveyor Speed:

3,000 Kg (6,614 lbs) evenly distributed at 230 V Conveyor Load:

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: 10 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

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 1 µSv/hr (0.1 mR/hr) from all external surfaces of the cabinet X-ray system.

#### Options and Accessories

Target<sup>™</sup> / Interactive Target<sup>™</sup>

(Automatic detection of solid explosives)

NARCScan™

(Automatic detection of narcotics)

Density Threshold Alert (DTA)

Threat Image Projection (TIP)

Threat Image Projection Network (TIPNet) NETView™

(Remote network image archive review)

NFXI ink™

(Advanced network X-ray management

automation and link system)

Multi-System Alarm Resolution Network

Display Station (NDS)

Automatic Image Archiving

Enhanced Image Archiving

Computer Based Operator Training (CBT) Operator Training Program (OTP)

Manual Scan Foot-mat

Optical Operator Presence Sensor

SmartCard Login **Power Conditioner** 

Roller Bed Accessories 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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