RAPISCAN 638DV 320kV

Model Number: 638DV

High penetration, dual-view, low conveyor
X-Ray System for screening ULD type
Freight and ISO Standard Pallets

Explosives and Narcotics Detection

Matrixing, Networking and Remote Viewing

Meets All European Commission Aviation Screening Requirements

638DV 320kV with 3,000 kg conveyor load

The new Rapiscan 638DV 320kV is an advanced dual-view X-ray system with a 1837 mm wide by 1800 mm high tunnel opening for screening ULD type, ISO standard, and large cargo pallet type freight.

The new 638DV 320kV features high penetration, dual-view technology and explosives and narcotics detection alert supporting secure inspection and higher throughput for air cargo screening and customs applications.

The Rapiscan 638DV 320kV complies with the U.S. Transportation Security Administration (TSA) Air Cargo Screening Technology List (ACSTL) requirements.

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.

Government Regulatory Compliance

Rapiscan 638DV 320kV performance is in full compliance with the mandatory regulation (EC) No. 300/2008, (EU) No. 185/2010, and Commissions Decision C(2010)774 for aviation security in the European Union.

Dual View Advanced Technology

As mandated by US and EU regulators, the 638DV 320kV 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.

Industry-Leading Operator Training

Rapiscan Systems Operator Training Program (OTP) is in full compliance with major government regulatory requirements.

Ease of Use Providing Highest Throughput

With over 14 image processing tools and detection alert algorithms, the feature-rich software allows the operator to more easily and accurately search for contraband.

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

Image Archive

Configurable Image Processing Keys

Baggage Counter

Date/ Time Display

Search Indicator

Smart UPS (Uninterrupted Power Supply)

Multi Language Support

Dual High Resolution 24 inch Monitor

Standard Image Processing Functions

Crystal Clear™

SINERGY™

Black and White

Organic / Inorganic Stripping

Inverse Video

High Penetration

Low Penetration

Pseudo Color

Variable Edge Enhancement

Variable Color Stripping

Variable Gamma

Variable Density

Dynamic Continuous Zoom & Panning

Fixed Zoom (64x)

Rapiscan®
systems

An OSI Systems Company

www.rapiscansystems.com

RAPISCAN 638DV 320kV

Physical Specifications

Dimensions:	Length: 6,366 mm (250.6 in.)
	Length with conveyors: 10,620 mm (418.1 in.)
	Width: 3,379 mm (133.0 in.)
	Height: 3,181 mm (125.2 in.)
Tunnel Size:	1,837 mm (72.3 in.) X 1,800 mm (71 in.)
Conveyor Speed:	0.20 m/sec (39.4 ft./min)
Conveyor Load:	3,000 kg (6,614 lbs) evenly distributed; 5,000 kg (11,023 lbs) option[1]
Conveyor Height:	345 mm (13.6 in.)
Approx Weight:	8,154 kg (17,976 lbs)
System Power:	230 VAC ±10% , 60/50Hz

X-Ray Generator

Voltage:	320kV
Orientation:	Vertically Downward and Horizontal
Generator Cooling:	Sealed oil bath with forced air

Image Quality Performance [2]

Steel Penetration:	70 mm standard
Wire Resolution:	34 AWG standard

Operating Environment

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

Protection Class

System:	IP20
Operator Control Panel:	IP43 [3]

Government Regulatory

- EU Regulation (EC) No 300/2008 Compliant
- EU Regulation (EU) No 185/2010 Compliant
- EU Commissions Decision (EU) C(2010)774 Compliant

638DV 320kV with 3,000 kg conveyor load

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.
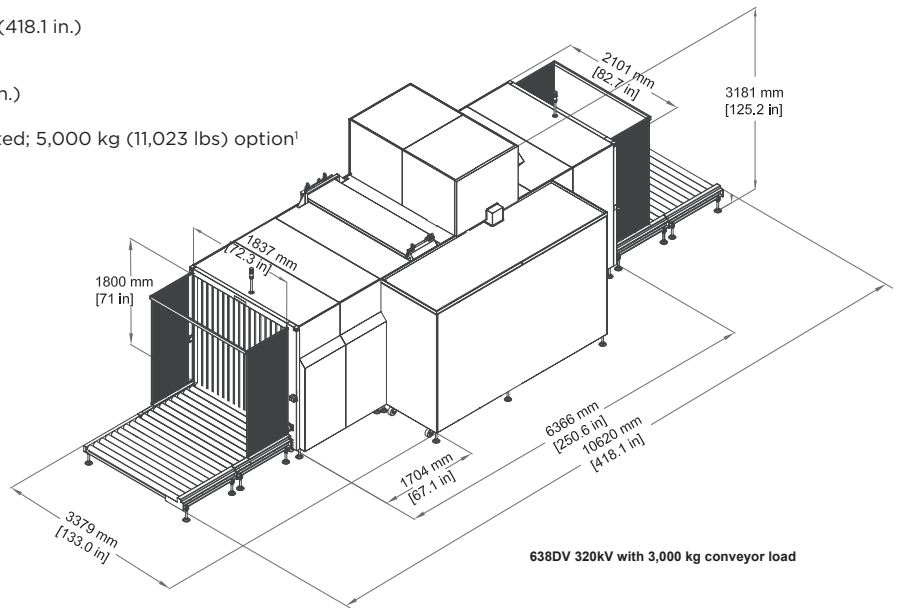
Additional Features and Accessories

Explosive 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™)

Multi-System Network Display Station (NDS)

Automatic Image Archiving

Enhanced Image Archiving

Operator Training Program (OTP)

Manual Scan

Foot-mat

Optical Operator Presence Sensor

SmartCard Login

Roller Bed Accessories

[1] For additional information / specifications contact factory
[2] Stated performance as measured by Rapiscan Imaging Validation Test Kit
[3] 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.

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