Rapiscan® systems
An OSI Systems Company

638DV 320kV

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

AVAILABLE WITH 3000 KG AND 5000 KG CONVEYOR LOAD CONFIGURATIONS



Tunnel Opening (width x height):
1,837 x 1,800 mm (72.3 x 70.9 in)

THE NEW 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 638DV 320kV is available in two configurations: 3000 Kg conveyor max load and 5000 Kg conveyor max load.

The 638DV 320kV system power requirement is a single phase 230VAC ±10%, 60/50Hz. The 638DV 320kV reduces cost by requiring only a single phase power supply.

STANDARD FEATURES

- Full Spectrum Imaging
- View Previous/Next Bag
- Image Archive
- Configurable Image Processing Keys
- Baggage Counter
- Date/ Time Display
- Search Indicator
- 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)

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.

REGULATORY COMPLIANCE

638DV 320kV 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 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.

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.

EC 300/2008 COMPLIANT · EU 2015/1998 COMPLIANT · EU C(2015)8005 COMPLIANT · STAC CERTIFIED · TSA AIR CARGO QUALIFIED

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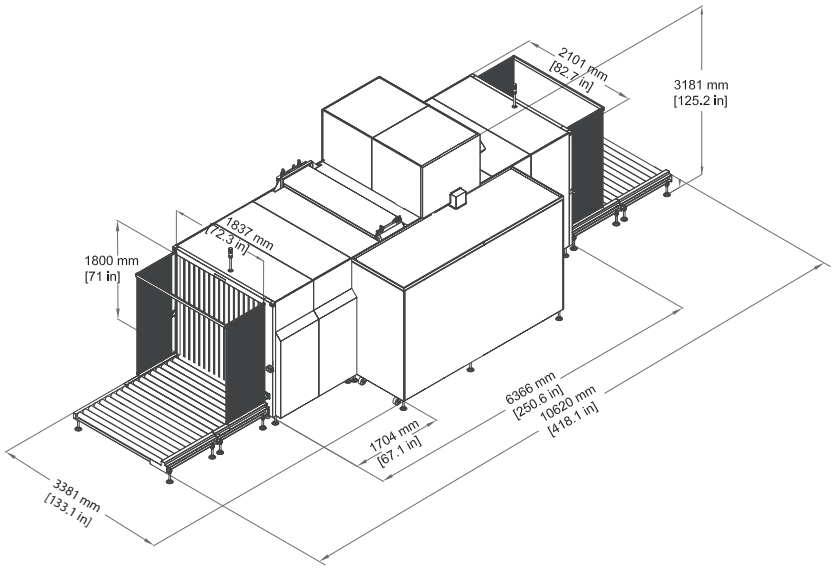
638DV 320kV



PHYSICAL SPECIFICATIONS

Dimensions:	Length: 10,620 mm (418.1 in.) Width: 3,381 mm (133.1 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 (Max):	3,000 kg (6,614 lbs), evenly distributed 5,000 kg (11,023 lbs), evenly distributed
Conveyor Height:	345 mm (13.6 in.)
Weight (Approx.):	8,154 Kg (17,976 lbs) 3,000 Kg Conveyor Load Configuration 11,731 Kg (25,862 lbs) 5,000 Kg Conveyor Load Configuration
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 [1]

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[2]

REGULATORY

- TSA Air Cargo Screening Technology List (ACSTL) 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.

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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] Stated performance as measured by Rapiscan® Imaging Validation Test Kit
[2] 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.

Certified to AS9100C

Rapiscan Systems is AS9100C:2009 and ISO 14001:2004 + Cor. 1:2009 Certified

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