

# Rapiscan<sup>®</sup> systems

An OSI Systems Company

# RAPISCAN 620DV

CHECKPOINT  
SCREENING  
SYSTEM APPROVED  
AS AN ADVANCED  
TECHNOLOGY (AT)  
SYSTEM BY U.S TSA,  
LIQUID EXPLOSIVE  
DETECTION  
SYSTEM (LEDS)  
BY E.U.

HIGH PERFORMANCE  
ADVANCED CHECKPOINT  
SCREENING

DUAL VIEW TECHNOLOGY  
LARGEST GLOBAL REGULATORY  
APPROVALS

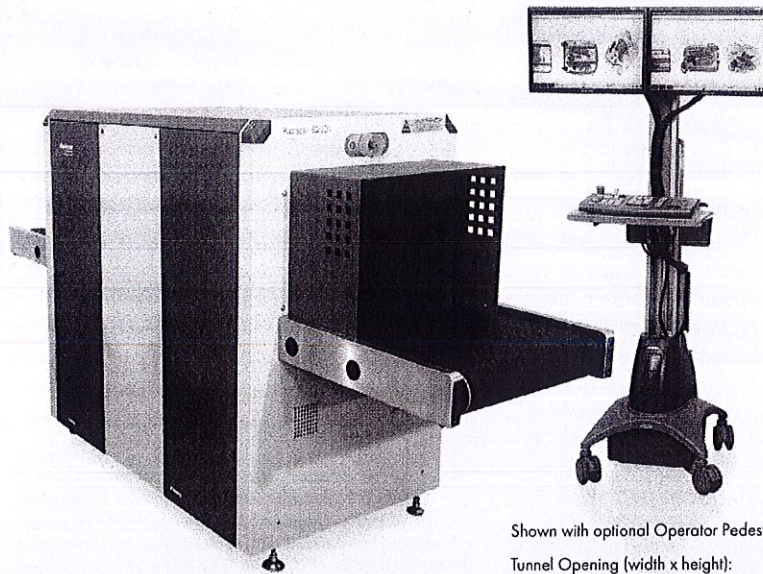
#### STANDARD FEATURES

- 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)
- Flat Panel Monitor
- Multi Language Support

#### 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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Shown with optional Operator Pedestal

Tunnel Opening (width x height):  
640 x 430 mm (25.2 x 16.9 in)



THE RAPISCAN 620DV IS AN ADVANCED CHECKPOINT SCREENING SOLUTION, DESIGNED FOR AVIATION AND HIGH SECURITY APPLICATIONS. IT USES INNOVATIVE DUAL VIEW TECHNOLOGY TO GENERATE A HORIZONTAL AND VERTICAL VIEW OF THE OBJECT UNDER INSPECTION.

Rapiscan 620DV has been approved and included on the qualified list applicable to the U.S. TSA Advanced Technology (AT) checkpoint program as well as the qualified list applicable to E.U. ECAC Liquid Explosive Detection System (LEDS) Common Evaluation Process (CEP) for security equipment.

Rapiscan 620DV provides unsurpassed image quality, regulatory approved detection alert of solid explosive software (Target™) and Liquid Explosive Identification Software (aLEXis™) with the largest global approvals and certifications.

#### DETECTION OF EXPLOSIVES AND NARCOTICS ALERT

Target™ and NARCScan™ are designed to assist operators in the detection of a 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

The Rapiscan 620DV meets the most rigorous detection and image quality requirements as set by the U.S. Transportation Security Administration (TSA), U.K. Department of Transport (DfT), European Union, French civil aviation authority (STAC), and Transport Canada (TC).

#### 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.

#### REGULATORY COMPLIANCE

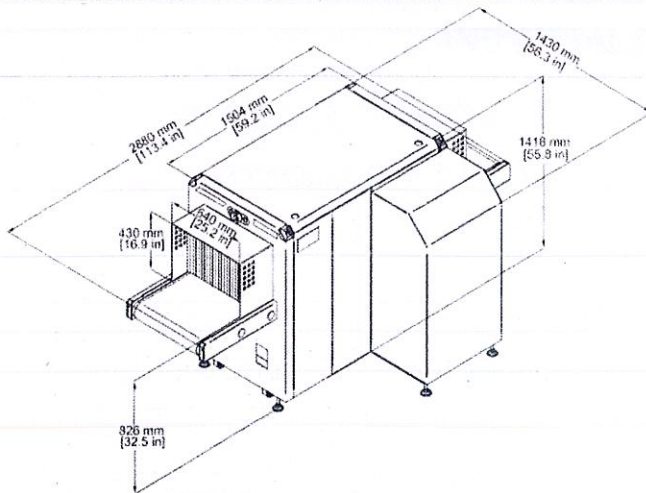
Rapiscan 620DV performance is in full compliance with the European Union regulations (EC) No. 300/2008, (EU) No. 2015/1998 and Commissions Decision C (2015)8005 for aviation security.

#### DUAL VIEW ADVANCED TECHNOLOGY

As mandated by US and EU regulators, the 620DV 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.



# RAPISCAN 620DV



## PHYSICAL SPECIFICATIONS

Dimensions:	Length: 2,880 mm (113.4 in.) Width: 1,430 mm (56.3 in.) Height: 1,418 mm (55.8 in.)
Tunnel Size:	640 mm (W) x 430 mm (H) (25.2 x 16.9 in.)
Conveyor Speed:	0.22 m/sec (43.3 ft./min)
Conveyor Load (Max):	165 Kg (364 lbs) evenly distributed
Conveyor Height:	826 mm (32.5 in.)
Weight (Approx):	Net: 1000 Kg (2,205 lbs)
System Power:	115/230 VAC ±10%, 60/50Hz

## X-RAY GENERATOR AND IMAGE PERFORMANCE<sup>1</sup>

Steel Penetration:	40 mm typical, 35 mm standard
Wire Resolution:	40 AWG typical, 38 AWG standard
Generator Cooling:	Sealed oil bath with forced air
Anode Voltage:	Operating at 160kV
Tube Current:	1.0 mA
Orientation:	Vertical 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

## PROTECTION CLASS

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

## REGULATORY

- U.S. Transportation Security Administration (TSA) AT Approved
- EU ECAC Liquids Explosive Detection System Type C Approved
- 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
- UK Department for Transport (DfT) TIP Approved
- UK Department for Transport (DfT) ACBX + LEDS Approved

## 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 1µSv/hr at 10 cm from all surfaces of cabinet X-ray.

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## OPTIONS AND ACCESSORIES

- Detection of Liquids, Aerosols and Gels explosives (aLEXis™)<sup>3</sup>
- Explosives Detection Alert (Target™)
- Narcotics Detection Alert (NARCScan™)
- Density Threshold Alert (DTA)
- Threat Image Projection (TIP)
- Remote Image Archive Review (NETView™)
- Network X-ray management automation and Link system (NEXLink™)
- Multi-System 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.

<sup>3</sup> Please request from your local sales representative for the kit specific part numbers when ordering aLEXis™.

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 and ISO 14001:2004 + Cor. 1:2009 Certified

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