RAPISCAN 620DV

Checkpoint Screening System approved as an Advanced Technology (AT) system by U.S. TSA, Liquid Explosive Detection System (LEDS) by E.U and certified by CAAC.

High Performance Advanced Checkpoint Screening
Dual View Technology
Automatic Detection of Solid and Liquid Explosives
Largest Global Regulatory Approvals

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 automatic detection of solid explosive software (Target™) and Automatic Liquid EXplosive Identification Software (aLEXis™) with the largest global approvals and certifications.

Automatic Detection of Explosives
Target™ automatically detects a wide range of solid and liquid explosives 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
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), Civil Aviation Administration of China (CAAC), and Transport Canada (TC).

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.

Regulatory Approved Threat Image Projection (TIP) and TIP Network (TIPNet)
Threat Image Projection (TIP) is the preferred operator performance training and measurement tool used by regulatory agencies worldwide. Digital images of potential threats, are interlaced with scanned object.

Dual View Advanced Technology
Government regulators such as U.S. Transportation Security Administration (TSA) require dual view technology for screening objects. The 620DV is 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.

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)
- 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)

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

www.rapiscansystems.com

Rapiscan systems
An OSI Systems Company
**RAPISCAN 620DV**

### Physical Specifications

**Dimensions:**
- Length: 2,880 mm (113.4 in.)
- Width: 1,430 mm (56.3 in.)
- Height: 1,408 mm (55.4 in.)

**Tunnel Size:**
- 640 mm (W) x 430 mm (H) (25.2 x 16.9 in.)

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

**Conveyor Load:**
- 165 Kg (364 lbs) evenly distributed

**Conveyor Height:**
- 812 mm (32.0 in.)

**Approx Weight:**
- Net: 950 Kg (2,094 lbs)

**System Power:**
- 115/230 VAC ±10%, 60/50Hz

### X-Ray Generator and Image Performance

- **Steel Penetration:** 35 mm guaranteed, 40 mm typical
- **Wire Resolution:** 38 AWG guaranteed, 40 AWG typical
- **Material Separation:** Low Z, Medium Z, High Z to 0.5 Z accuracy
- **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

### Health & Safety

Rapiscan Systems Inc. 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 Inc. certifies each cabinet X-ray product has a maximum radiation emission leakage of less than 0.1 µSv/hr (0.1 mR/hr) measured 5 cm from all external surfaces of the cabinet X-ray system.

### Options and Accessories

- **Target™ / Interactive Target™** (Automatic detection of solid explosives)
- **Network Display Station (NDS)**
- **Operator Pedestal**
- **Foot-mat**
- **Optical Operator Presence Sensor**
- **SmartCard Login**
- **Power Conditioner**
- **Remote Workstation**
- **Conveyor Accessories**
- **Density Threshold Alert (DTA)**
- **Threat Image Projection (TIP)**
- **Threat Image Projection Network (TIPNet)**
- **Automatic Image Archiving**
- **Manual Scan**
- **Operator Training Program (OTP)**
- **Computer Based Operator Training**
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- **Remote Workstation**
- **Automatic Image Archiving**
- **Manual Scan**
- **Operator Training Program (OTP)**
- **Computer Based Operator Training**

*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.