

RAPISCAN 627XR

Large Parcel X-Ray Screening System



baggage & parcel

*inspection
technology*



Tunnel Opening (width x height):
39.4 x 39.4 in (1,000 x 1,000 mm)

The Rapiscan 627XR is designed for screening small cargo as well as baggage and large parcels for air cargo and customs applications.

With a 1,000 mm wide by 1,000 mm high tunnel opening, the Rapiscan 627XR meets the stringent requirements of multiple global regulatory requirements including U.S. Transportation Security Administration (TSA), French civil aviation authority (STAC), and Transport of Canada (TC).

Automatic Detection of Explosives

Target™ 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.

Safety is Our #1 Focus

Rapiscan 627XR complies with U.S. Code of Federal Regulations (CFRs) on performance standards for ionizing radiation-emitting products, electronics products, radio frequency devices, qualification of screening personnel, occupational noise exposure and occupational safety and health standards.

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.

Industry-Leading Operator Training

Rapiscan Systems offers three comprehensive operator training programs: On-system Operator Training Program (OTP); standalone Computer Based Training software (CBT); and live in-person training with expert trainers in a one-to-one or classroom setting. All Rapiscan CBT programs are in full compliance with U.S. Transportation Security Administration (TSA) and European Union (EU) Commission Regulation 185/2010 requirements.

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.

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

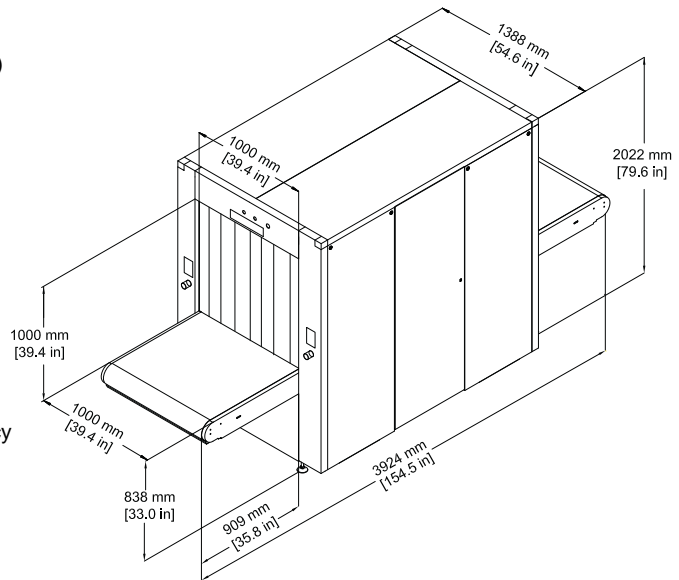
Standard Image Processing Functions

- 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)

RAPISCAN 620XR

Physical Specifications

Dimensions:	Length: 154.5 in. (3,924 mm) Width: 54.6 in. (1,388 mm) Height: 79.6 in. (2,022 mm)
Tunnel Size:	39.4 (W) x 39.4 in. (H) (1,000 x 1,000 mm)
Conveyor Speed:	0.20 m/sec (39.4 ft./min)
Conveyor Load:	364 lbs (165 Kg) evenly distributed
Conveyor Height:	33.0 in. (838 mm)
Approx Weight:	Net: 2,800 lbs (1,270 Kg)
System Power:	115/230 VAC \pm 10%, 60/50Hz



X-Ray Generator and Image Performance*

Steel Penetration:	28 mm guaranteed, 30 mm typical
Wire Resolution:	38 AWG guaranteed; 40 AWG typical
Material Separation:	Low Z, Medium Z, High Z to 0.5 Z accuracy
Generator Cooling:	Sealed oil bath with forced air
Anode Voltage:	Operating at 140KV
Tube Current:	0.7 mA
Orientation:	Vertically Upward

High Penetration X-Ray Generator Option and Image Performance*

Steel Penetration:	35 mm guaranteed; 40 mm typical
Wire Resolution:	38 AWG guaranteed; 40 AWG typical
Anode Voltage:	Operating at 160kV
Tube Current:	1.0 mA

Operating Environment

Storage Temperature:	-4° to 122°F (-20° to 50°C)
Operating Temperature:	32° to 104°F (0° to 40°C)
Relative Humidity:	5 to 95% non-condensing

Options and Accessories

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

Health and 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 μ Sv/hr at 10 cm from all surfaces of cabinet X-ray.

