The Rapiscan 622XR offers high performance threat detection and lower total cost of ownership. With a tunnel opening of 750mm x 550mm, the Rapiscan 622XR can accommodate a range of parcel and baggage sizes for checkpoints. The 622XR’s innovative design allows for bidirectional operation, while its dual energy detection provides automatic material discrimination so that screeners can identify the material composition of the scanned object. In addition, it offers options like an adjustable control panel stand and swing-open, easy-access panels.


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.

Automatic Detection of Narcotics
NARCScan™ automatically detects a wide range of narcotics in real time during the scanning process by visibly highlighting a potential threat on the X-ray image.

Meeting Today’s Most Stringent Global Requirement
Rapiscan 622XR meets the most rigorous detection and image quality requirements as set by the U.S. Transportation Security Administration (TSA) and French civil aviation authority (STAC).

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 Compliance

Tunnel Opening (width x height): 29.5 x 21.7 in (750 x 550 mm)

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 622XR

Physical Specifications

Dimensions:  
- Length: 89.9 in. (2,282 mm)  
- Width: 40.6 in. (1,030 mm)  
- Height: 57.8 in. (1,467 mm)

Tunnel Size:  
- 29.5 (W) x 21.7 in. (H) (750 mm x 550 mm)

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

Conveyor Load: 364 lbs (165 Kg) evenly distributed

Approx Weight:  
- Net: 1,345 lbs (610 Kg)

System Power:  
- 115/230 VAC ±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

Steel Penetration: 40 mm typical; 35 mm standard

Wire Resolution: 40 AWG typical; 38 AWG standard

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

Protection Class

System: IP20

Operator Control Panel: IP43

Regulatory

- 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

Health and Safety


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.

Options and Accessories

- Explosives 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™)
- 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
- Adjustable Height Lift and Tilt Stand