

RAPISCAN 618XR

Mobile X-Ray Screening System



baggage & parcel

*inspection
technology*



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)

The Rapiscan 618XR is a compact and versatile X-ray screening system with exceptional image quality and excellent detection capabilities. The 618XR is designed for rapid relocation and can be wheeled through narrow doorways, making it an excellent system for schools, hotels, convention centers and event-based security environments.

Like all systems in the 600 series family of X-ray scanning solutions, the Rapiscan 618XR is built on a standardized platform that makes it easy to install and maintain, and comes with features such as dual-energy detection, a streamlined, ergonomic design, and Rapiscan's feature-rich OS600 system software.

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.

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

Rapiscan 618XR image quality performance is in compliance with regulation (EC) No. 300/2008. In addition, Rapiscan 618XR Threat Image Projection (TIP) is in compliance with regulation (EU) No. 185/2010.

RAPISCAN 618XR

Physical Specifications

| | |
|-----------------|--|
| Dimensions: | Length: 65.4 in. (1,662 mm) Width: 28.9 in. (735 mm) Height: 53.8 in. (1,366 mm) |
| Tunnel Size: | 21.7 (W) x 14.2 in. (H) (550 mm x 360 mm) |
| Conveyor Speed: | 0.20 m/sec (39.4 ft./min) |
| Conveyor Load: | 364 lbs (165 Kg) evenly distributed |
| Approx Weight: | Net: 937 lbs (425 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 |

Operating Environment

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|------------------------|-----------------------------|
| 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 |

Health and Safety

Rapiscan Systems' 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 certifies each cabinet X-ray product has a maximum radiation emission leakage of less 1 μ Sv/hr (0.1 mR/hr) from all external surfaces of the cabinet X-ray system.

Options and Accessories

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| Target™ / Interactive Target™ (Automatic detection of solid explosives) | Automatic Image Archiving |
| NARCSan™ (Automatic detection of narcotics) | Enhanced Image Archiving |
| Density Threshold Alert (DTA) | Computer Based Operator Training (CBT) |
| Threat Image Projection (TIP) | Operator Training Program (OTP) |
| Threat Image Projection Network (TIPNet) | Manual Scan |
| NETView™ (Remote network image archive review) | Operator Pedestal |
| NEXLink™ (Advanced network X-ray management automation and link system) | Foot-mat |
| Multi-System Alarm Resolution Network | Optical Operator Presence Sensor |
| Display Station (NDS) | SmartCard Login |
| | Power Conditioner |
| | Conveyor Accessories |
| | Remote Workstation |
| | Universal Printer Support |

