

# RAPISCAN 620XR

Advanced single view checkpoint screening system with outstanding features and innovative options.

Proven Checkpoint Screening Performance

Meets Global Regulatory Requirements

Network Enabled

Performance and Value



The Rapiscan 620XR provides outstanding threat detection and a low total cost of ownership. The 620XR's innovative design allows for bi-directional operation, while ergonomic options such as its adjustable control panel stand make it easy to operate.

The Rapiscan 620XR holds the most and the largest number of global regularly approvals, by U.S. Transportation Security Administration (TSA), U.K. Department of Transport (DfT), French civil aviation authority (STAC), Civil Aviation Administration of China (CAAC) and Canadian Transport of Canada.

Tunnel Opening (width x height):  
620 x 420 mm (24.4 x 16.5 in)

## 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)

## 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

NARCSan™ 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.

## 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.

## 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 620XR image quality performance is in compliance with regulation (EC) No. 300/2008. In addition, Rapiscan 620XR Threat Image Projection (TIP) is in compliance with regulation (EU) No. 185/2010.



**Rapiscan**<sup>®</sup>  
systems  
An OSI Systems Company

[www.rapiscansystems.com](http://www.rapiscansystems.com)

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## Physical Specifications

Dimensions:	Length: 2,082 mm (82.0 in.) Width: 840 mm (33.1 in.) Height: 1,382 mm (54.4 in.)
Tunnel Size:	620 mm (W) x 420 mm (H) (24.4 x 16.5 in.)
Conveyor Speed:	0.20 m/s (39.4 ft./min)
Conveyor Load:	165 Kg (364 lbs)
Conveyor Height:	803 mm (31.6 in.)
Approx Weight:	Net: 510 Kg (1,124 lbs)
System Power:	115/230 VAC $\pm$ 10%, 60/50Hz

## Standard 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:	-20°C to 50°C
Operating Temperature:	0°C to 40°C
Relative Humidity:	5 to 95% non-condensing

## Health & 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  $\mu$ Sv/hr (0.1 mR/hr) from all external surfaces of the cabinet X-ray system.

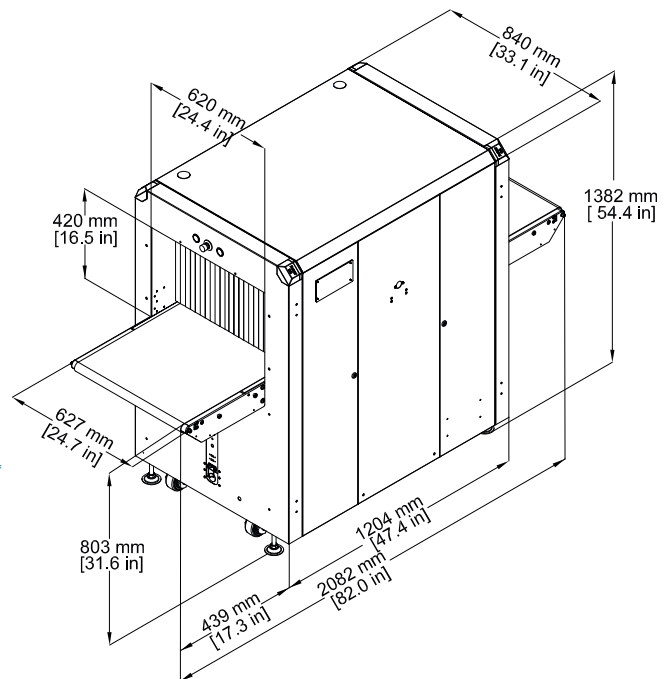
## Options and Accessories

Target™ / Interactive Target™  
(Automatic detection of solid explosives)  
NARCSan™  
(Automatic detection of narcotics)  
Density Threshold Alert (DTA)  
Threat Image Projection (TIP)  
Threat Image Projection Network (TIPNet)  
NETView™  
(Remote network image archive review)  
NEXLink™  
(Advanced network X-ray management automation and link system)  
Multi-System Alarm Resolution Network Display Station (NDS)  
Automatic Image Archiving  
Enhanced Image Archiving

Computer Based Operator Training (CBT)  
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  
High Penetration X-ray Generator  
Universal Printer Support

\*Stated performance as measured by Rapiscan Imaging Validation Test Kit.

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 Certified

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