

# Rapiscan 527

**Rapiscan**  
systems

An OSI Systems Company

## BAGGAGE AND PARCEL INSPECTION

Small Cargo Screening

Dual Energy

Full Featured

Standalone or Integrated



The dual energy **Rapiscan 527** is designed for customers requiring inspections of checked baggage and small cargo. Dual energy imaging provides automatic color coding of materials with different atomic numbers so that screeners can easily identify objects within the parcel. The **Rapiscan 527** can be used as a standalone device or integrated into an existing baggage conveyor system.

The **Rapiscan 527** has a large tunnel opening of 1,000mm (39.4 inches) wide by 1,000mm (39.4 inches) high.

## CUSTOMER SUPPORT SERVICES

Our team is dedicated to providing a prompt, effective and personalized response that exceeds your expectations. With spare parts inventory and skilled technicians all over the world, you can be certain Rapiscan Systems will always be prepared with a solution to address your requirements. By measuring response time, parts delivery and support status, our team embraces a customer centric philosophy to ensure continual improvement of our products and services.

## FEATURES & OPTIONS

### Threat Image Projection (TIP):

TIP inserts digital threat images at configurable frequencies into the regular flow of bags. TIP is a reliable method for continually improving the skill level of screeners and is the preferred training method used by regulatory agencies worldwide.

### Network Display Station (NDS):

NDS improves threat detection, throughput, and simplifies operating procedures by enabling the operator performing a manual search of suspect bags to reconcile the actual bag contents with the scanned image.

### Network Management System

**(NMS):** Allows a supervisor to monitor the performance of many X-ray checkpoints in a large facility from a single location.

### Enhanced Performance X-ray

**(EPX):** Enables consistent detection of materials having characteristics of explosives, narcotics, gold, currency and agricultural products.

### Operator Training Program

**(OTP):** OTP enables the X-ray system to be used as a training terminal without running parcels.



ONE COMPANY - TOTAL SECURITY

## BAGGAGE AND PARCEL INSPECTION

### PHYSICAL SPECIFICATIONS

Dimensions: Length: 3,936 mm (155 in.)  
Height: 1,996 mm (78.6 in.)\*  
Width: 1,388 mm (54.6 in.)

Tunnel Size: 1,000mm(W) x 1,000mm(H). (39.4 x 39.4 in.)

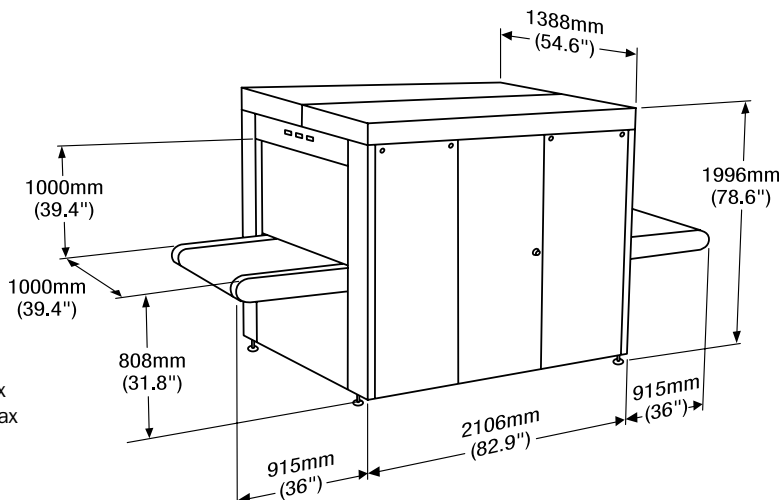
Conveyor Speed: 0.20 m/sec (40 ft/min)  
depending on customers requirements

Conveyor Load: 165Kg (365 lbs) evenly distributed

Approx Weight: Net: 1,400 Kg (3,080 lbs)  
Gross: 1,650 Kg (3,630 lbs)

System Power: 115 VAC +/- 10% / 50 or 60Hz / 10Amps max  
or 230 VAC +/- 10% / 50 or 60Hz / 5Amps max

Unit is mounted on heavy casters for ease of movement  
\*Nominal height +1 inch adjustments



### X-RAY IMAGE PERFORMANCE

Resolution: 38 AWG guaranteed, 40 AWG typical  
Penetration: 27 mm guaranteed, 29 mm typical  
Material Separation: Low Z, Medium Z, High Z to 0.5 Z accuracy

### X-RAY GENERATOR

Cooling: Sealed oil bath with forced air  
Anode Voltage: 160KV rated, operating @ 140KV  
Tube Current: 0.7 mA typical  
Orientation: Vertically Upward

### COMPUTER SPECIFICATIONS

Processor Speed: Intel Pentium® Processor currently available  
Monitor: 17" XGA color, high refresh, non-flicker  
Memory: 64 MB RAM minimum  
Video Memory: 16 MB minimum  
Hard Disk Drive: 40 GB minimum  
CD-ROM Drive: 54X  
Floppy Disk: 1.44 MB  
Access to keyboard port and parallel port is provided by means of a lockable access panel on the outside of the machine.

### 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

All Rapiscan Systems products comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40) and Health and Safety at Work Act 1974-section 6, Amended by the Consumer Protection Act 1987. Maximum leakage radiation less than 0.1mR/hr (1μ Sv/hr) in contact with outer panels.  
Film Safety: For ISO 1600/33 DIN, guaranteed up to 10 times exposure to radiation.  
CE Compliance: Yes  
FCC & IEC Compliance: Yes

*With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice.*

STANDARD FEATURES	OPTIONS
Crystal Clear™	Flat Panel LCD Monitor
Multi Energy Imaging (4 color)	Threat Image Projection (TIP)
Density Threat Alert	TIP Network
Variable Edge Enhancement	Network Display Station (NDS)
High/Low Penetration	Network Management System (NMS)
Variable Gamma	Power Conditioner
Inverse Video	Secure Workstation
Pseudo Color	Remote Workstation
Variable Density Zoom	Conveyor Accessories
Organic/Inorganic Stripping	Foot-mat
Black and White Viewing	UPS (Uninterrupted Power Supply)
Variable Color Stripping	VCR Output
Zoom	Video Printer
View previous bag	Automatic Image Archiving
Manual Image Archiving	High Penetration
Baggage Counter	
Search Indicator	
Date/Time display	
Full diagnostic built in test facility	
Operator Training Program (OTP)	
Enhance Performance X-ray (EPX)	

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