

Rapiscan 515

Rapiscan
systems

An OSI Systems Company

BAGGAGE AND PARCEL INSPECTION

Compact Design

Dual Energy

Large Parcels

Cost Effective



The **Rapiscan 515** is a dual energy, compact X-ray system for space restricted installations. Dual energy imaging provides automatic color coding of materials with different atomic numbers so that screeners can easily identify objects within the parcel. The system is equipped with a removable control panel to facilitate mobility.

The **Rapiscan 515** offers a tunnel opening of 640mm (25.2 inches) wide by 430mm (16.9 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: 2,016 mm (79.37 in.)
Height: 1,347 mm (53.03 in.)*
Width: 831 mm (32.72 in.)
Tunnel Size: 640 mm (W) x 430 mm (H) (25.20 x 16.93 in.)
Conveyor Speed: 0.22 m/sec (44 ft./min)
Maximum Load: 165 Kg (365 lbs) evenly distributed
Approx Weight: Net: 550 Kg (1,210 lbs)
Gross: 750 Kg (1,650 lbs)
System Power: 115 VAC +/- 10% / 60Hz / 10 Amps or
230 VAC +/- 10% / 50Hz / 5 Amps

Unit is mounted on heavy casters for ease of movement

*Nominal height +1 inch adjustments

X-RAY GENERATOR AND IMAGE PERFORMANCE

Wire Resolution: 38 AWG guaranteed, 40 AWG typical
Steel Penetration: 27 mm guaranteed, 29 mm typical
Material Separation: Low Z, Medium Z, High Z to 0.5 Z accuracy
Cooling: Sealed oil bath with forced air
Anode Voltage: 160KV rated, operating at 140KV
Tube Current: 0.7 mA typical
Orientation: Vertically Upward

HIGH PENETRATION OPTION (HP)

Steel Penetration: 35 mm guaranteed
Wire Resolution: 38 AWG guaranteed, 40 AWG typical
Anode Voltage: 180KV rated, operating at 160KV
Tube Current: 1mA typical

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

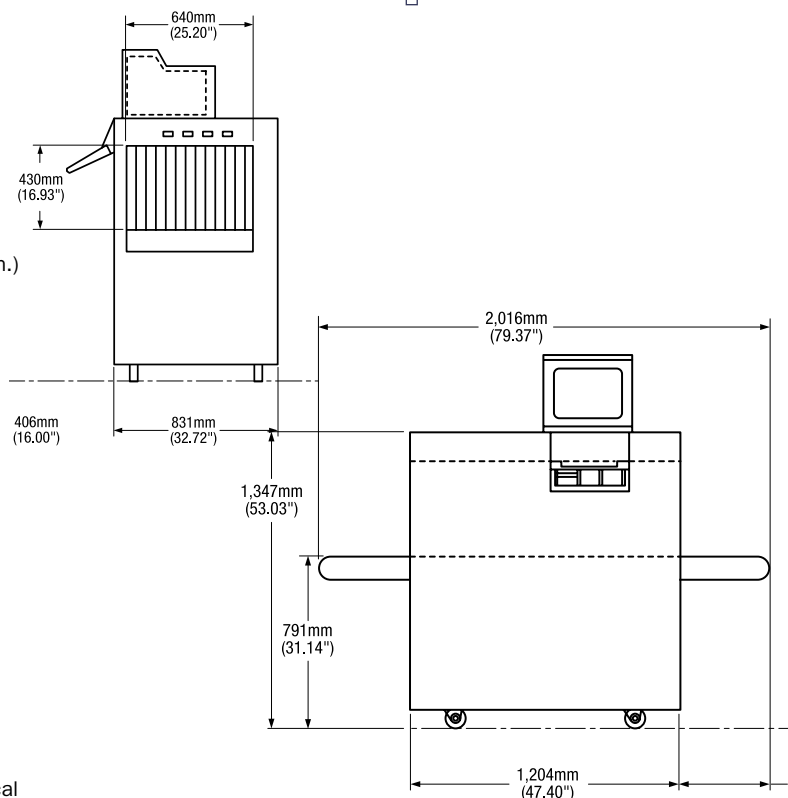
All Rapiscan Systems products comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40) and Health and Safety at Work Act 1974-section 6, Amended by the Consumer Protection Act 1987. Maximum leakage radiation less than 0.1mR/hr (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

ISO 9001:2000 Certified

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 | Target™-Screener Assist Technology |
| High/Low Penetration | Network Display Station (NDS) |
| Variable Gamma | Network Management System (NMS) |
| Inverse Video | Power Conditioner |
| Pseudo Color | Secure Workstation |
| Variable Density Zoom | Remote Workstation |
| Organic/Inorganic Stripping | Conveyor Accessories |
| Black and White Viewing | Foot-mat |
| Variable Color Stripping | UPS (Uninterrupted Power Supply) |
| Zoom | VCR Output |
| View Previous Bag | Video Printer |
| Manual Image Archiving | Automatic Image Archiving |
| Baggage Counter | High Penetration X-ray Generator |
| Search Indicator | |
| Date/Time Display | |
| Full Diagnostic Built In Test Facility | |
| Operator Training Program (OTP) | |
| Enhance Performance X-ray (EPX) | |

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