

Rapiscan MVXR5000

Rapiscan[®]
systems

An OSI Systems Company

HOLD BAGGAGE SCREENING

Multi-View, Dual Energy

Flexible, Cost Effective

High Speed Automatic Detection

Accepted for Use by UK DfT



INTRODUCING RAPISCAN SYSTEMS' NEWEST HBS SYSTEM

The **Rapiscan MVXR5000** is the latest addition to our growing line of Hold Baggage Screening (HBS) systems. Multi-view (5-view) high quality dual-energy X-ray images enable the advanced automated explosives detection algorithms to provide exceptionally high levels of detection with class leading image quality and low false alarm rates.

100% LEVEL 1, 2, AND 3 BAGGAGE SCREENING

100% baggage screening is accomplished by the high speed throughput, up to 1800 bags per hour, and accurate automated explosives detection (level 1) capabilities of the **Rapiscan MVXR5000**. This high throughput is matched with gigabyte data transfer capabilities allowing near-real time suspicious bag analysis by a networked group of remote operators (level 2). Remote operator analysis is aided by the identification of the potential threat item(s) by the automated detection algorithms. Images can also then be transmitted to the manual inspection stations (level 3) as a search aid, or images can be sent to supervisor workstations for additional analysis.

ADVANCED FAST DETECTION ALGORITHMS

Fast reconstruction and detection algorithms use the 5 views of high resolution dual-energy images to detect the full range of explosive threats. By determining the presence and position of a threat based upon context, material density, size and effective atomic number the multiple views allow optimal performance for the detection of materials in configurations typically difficult to detect.

ROBUST DESIGN

The **Rapiscan MVXR5000** has multiple layers of network redundancy designed to ensure the highest levels of system availability and fail-safe operation for the most demanding aviation security environments.

PRODUCT HIGHLIGHTS

The **Rapiscan MVXR5000** is accepted for use by the United Kingdom Department of Transport (DfT).

Fast advanced baggage reconstruction and explosives detection algorithms

HBS class-leading high quality X-ray images and low false alarm rates

5-view dual-energy technology

Built-in flexible system configuration, to fit into any security architecture

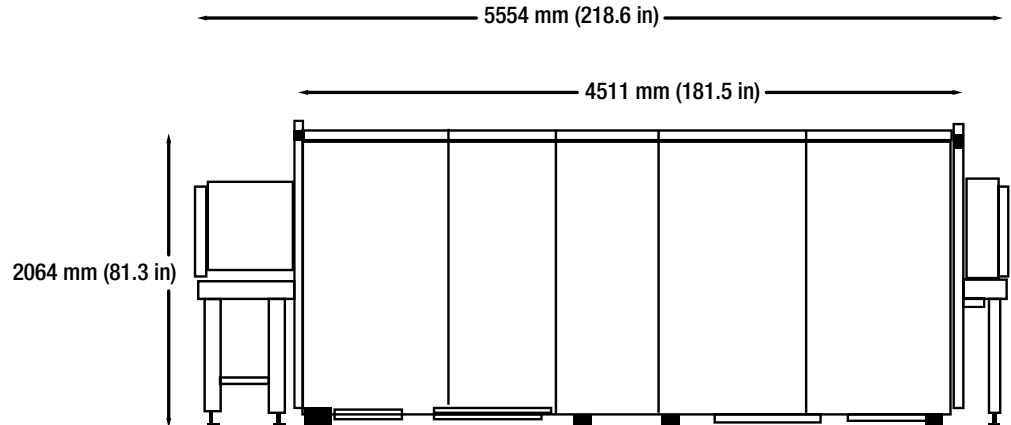
Robust design, to meet the highest system availability requirements

Modular chassis design allows installation flexibility



ONE COMPANY - TOTAL SECURITY

HOLD BAGGAGE SCREENING



SPECIFICATIONS

Throughput:	up to 1800 BPH
X-ray voltage:	170KV (each transmission X-ray generator, qty 3)
Maximum machine dimensions:	In-line Configuration: Length: 4,511 mm (175.9 in.) Width: 1,895 mm (73.9 in.) Height: 2,064 mm (80.5 in.)
Mass of machine:	<3600kg
Speed of conveyor belt:	0.5m/sec continuous
Maximum bag dimensions:	2500 mm (L) X 990 mm (W) X 800mm (H)
Maximum individual bag mass:	50 kg
Electrical power requirements:	400 Volts (3-phase) <5 kW peak power
Number of X-ray generators:	3 transmission X-ray generators (5 views total)
Typical automated decision time:	2 seconds, avg
Ambient limitations:	Storage: -20°C - 50°C Operating: -10°C - 40°C Humidity: 10 - 80% non-condensing
Image quality:	CTP Compliant

STANDARD FEATURES

Windows User Interface
Network Ready
Automated/Manual Image Archive
Dual Energy Imaging
High & Low Penetration
Black and White Viewing
Organic Material View
Inorganic Material View
Up to 8X Panning Zoom
Variable Gamma
Baggage Counter
Date/Time Display
Tunnel Covers
Operator Console Table
20" Flat Screen LCD

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.

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.

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