

RAPISCAN EAGLE® A10

1 MeV X-ray air cargo screening system;
regulatory approved for pallets and containers.

TSA Approved Air Cargo Screening System

Powerful 1 MeV X-Ray Imaging System

Single or Mixed Commodity Air Cargo Pallets and Containers

Enclosed Cabinet Type System



The Rapiscan Eagle® A10 is a 1 MeV X-ray system for safe and effective inspection of air cargo. Air cargo containers and pallets are automatically scanned as they move through the inspection tunnel.

Eagle® A10 Key Features



Key

1. CCTV Cargo Monitoring
2. System Operating Status
3. 3 m (w) x 3.1 m (h) Tunnel Size
4. Automated Shielding Doors
5. Linac Housing for 1MeV Generator
6. Control Panel
7. Integrated Cargo Conveyor
8. E-stops
9. X-ray Status Indicators and Sounders
10. Cargo Approach Laser
11. Tunnel Lighting and CCTV System
12. X-Ray Detector
13. E-Stops
14. System Start
15. Optional Load - Unload Conveyor
16. Radiation Exclusion Zone within System Footprint



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Physical Specifications

Platform Type	Cargo Portal
Platform	Enclosed cabinet type system with integrated conveyor
View Direction	Side shooter
Overall Dimensions	Length: 11.2 m, Width: 6.9 m, Height: 4.2 m
Scan Area Dimensions	Width: 3 m, Height: 3.1 m
Recommended Maximum Vehicle / Object Scan Size	Length: 5.0 m, Width: 2.5 m, Height: 3.0 m
Recommended Maximum Object Weight	7,000 kg (increased capacity conveyors available)
Minimum Scan Height	0 m from conveyor top
Scan Orientation	90° to inspected object

Operation

Set-up	15 minutes in standard operating environment
Crew	1 inspector operator minimum
Scan Modes	Conveyor fed portal scan mode only
Scan Direction	Single direction (standard) Bi-directional (option)
Scanning Speed	0.3 m/second, option for 0.4 m/second

X-Ray Generator and Image Performance*

Linac Energy	1 MeV
Steel Penetration	120 mm
Wire Resolution in Air	1 mm
Spatial Resolution - Horizontal	2 mm
Spatial Resolution - Vertical	2 mm
Contrast Resolution	5% (Behind 50 mm)
Radiation Detection (option)	Integrated Gamma Radiation detection Integrated Gamma and Neutron Radiation detection

Operating Environment*

Operational Temperature	-10°C to +40°C -40°C with optional cold weather package +55°C with optional hot weather package
Relative Humidity	5 to 95% non-condensing
Maximum Baseline Wind Speed	Internal use only

Radiation Safety*

Open Radiation Exclusion Zone	Integral shielding - Length: 11.2 m x Width: 7 m
Radiation Dose at Exclusion Zone Boundary in One Hour	1 µSv/hour
Radiation Dose to Crew in One Hour	0.5 µSv/hour
Radiation Dose to Cargo per Scan	less than 5 µSv
Shielding Type	Integrated lead shielding

Superior Quality, Comprehensive Standard Features and Flexible Options - Included with Every Rapiscan Eagle Cargo and Vehicle Inspection System.

Our commitment to value and innovation make Rapiscan the first choice in cargo and vehicle inspection solutions. Rapiscan Systems is a global leader in high quality inspection solutions and advanced threat identification techniques. Security is our only concern, and we focus on developing customer-centric solutions that are future-proof and cost effective. All Rapiscan products are backed by a 24 x 7 worldwide training, maintenance and service organization.

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- * All tests performed according to ANSI N42.46
- * The performance characteristics outlined in this document are indicative and for information only, the specific performance characteristics of individual systems may differ based upon customer requirements, operation and supplied options.

Should further enhanced characteristics or extended capabilities be required, please contact a Rapiscan Systems Cargo and Vehicle Inspection representative.

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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ONE COMPANY - TOTAL SECURITY

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Rapiscan Systems is
ISO 9001:2008 Certified