# RAPISCAN EAGLE A25

## HIGH-ENERGY AIR CARGO SCREENING SYSTEM


## KEY FEATURES AND BENEFITS

- Enclosed cabinet-style system for scanning air cargo
- High-energy X-ray imaging with three-color material discrimination for improved detection of threats and contraband
- Able to be integrated into air cargo handling system

The Rapiscan Eagle® A25 is an advanced X-ray system for scanning pallets and unit load devices (ULDs) to produce high-quality images with three-color material discrimination. Cargo moves through the inspection tunnel on a conveyor system with entrance and exit conveyors that facilitate loading and unloading of containers and pallets. The Eagle A25 system has integral shielding, which reduces the radiation exclusion zone to the boundary of the system.

The Eagle A25 can be operated as a standalone unit or integrated into an automated air cargo handling system. It combines the operational advantages of a cabinet-type X-ray system with the inspection capabilities of a high-energy X-ray imaging system.

# SPECIFICATIONS

## EAGLE A25

### PERFORMANCE

- **Penetration:** 205 mm
- **Wire Resolution:** 1.5 mm

### OPERATING FEATURES

- **X-ray Source:** 2.5 MeV
- **Crew:** One inspector
- **Scan Modes:** Scans objects loaded onto conveyor
- **Scan Direction:** Single direction
- **Scanning Speeds:** 0.3 m/second; optional 0.4 m/second
- **System Throughput:** Up to 30 pallets per hour
- **Start-up Time:** 15 min in standard operating environment
- **Power Requirements:** 50 Hz: 400 V, 63 A, 44 kVA

### SYSTEM DIMENSIONS AND SPECIFICATIONS

#### Dimensions

- **Length:** 22.2 m (72 ft 10 in)
- **Width:** 6.9 m (22 ft 8 in)
- **Height:** 4.2 m (13 ft 9 in)

#### Maximum Scanned Object Dimensions

- **Width:** 2.5 m (8 ft 2 in)
- **Height:** 3 m (9 ft 10 in)
- **Length:** 5 m (16 ft 5 in)
- **Conveyor Capacity:** 7,000 kgs

### ENVIRONMENT

- **Operating Temperature:** -10° C to 40° C (14° F to 104° F)

### HEALTH AND SAFETY

- **Radiation Exclusion Zone:** Integrated shielding removes the need for exclusion zones beyond the system boundary
- **Radiation Dose at Exclusion Zone Boundary:** 0.5 µSv in any one hour
- **Radiation Dose to Crew:** 0.5 µSv in any one hour
- **Radiation Dose to Cargo:** Less than 5 µSv per scan

### SYSTEM OPTIONS

- **Auto-Return:** Optional system configuration that allows pallets/ULDs to be loaded and unloaded from the same location
- **Load and Unload Conveyors:** Options available to increase conveyor length and capacity
- **Conveyor Integration:** For integration into existing cargo handling system
- **Extreme Hot Weather Package:** Extends the system operating temperature to +55° C

The performance characteristics and photos in this document are indicative and for information only; the specific characteristics of individual systems may differ based upon customer requirements, operation, and supplied options. In addition, due to continual development of Rapiscan and AS&E products, we reserve the right to amend specifications without notice. Please note that due to U.S. laws and regulations, not all products are available for sale in all countries without restriction. Please contact your Rapiscan | AS&E Cargo Scanning & Solutions sales representative for more information or to discuss additional requirements.



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