

EAGLE G60

HIGH-ENERGY GANTRY INSPECTION SYSTEM

KEY FEATURES AND BENEFITS

- Reliable 6 MeV X-ray imaging system
- High-quality dual-energy imaging for the detection of explosives, weapons, and contraband
- Multiple configurations and operational modes that cater to various applications



The innovative design of the Eagle® G60 combines high-quality imaging with operational flexibility to meet customers' diverse cargo screening requirements.

The high-energy X-ray, rail-mounted inspection system is ideal for inspection of dense cargo, verification of manifests, and identification of contraband at critical facilities, border crossings, and seaports. The modular design of the Eagle G60 supports both gantry and portal mode operation, allowing for both the inspection of densely loaded containers and the safe screening of drive-through traffic. The multiple levels of imaging performance create flexibility for customers to select the system configuration ideally suited for their unique requirements.



Eagle G60 high-energy transmission image

SPECIFICATIONS

EAGLE G60

TYPICAL GANTRY-MODE PERFORMANCE

	G60-S	G60-R	G60-T	G60-HP
Steel Penetration	330 mm	350 mm	360 mm	380 mm
Wire Resolution	1.2 mm	1 mm	1.2 mm	1.4 mm
Spatial Resolution	4 mm (H) 4 mm (V)	3 mm (H) 3 mm (V)	4 mm (H) 4 mm (V)	5 mm (H) 5 mm (V)

OPERATING FEATURES

- **X-ray Source:** 6 Mev
- **Crew:** Scan coordinator and image analyst
- **Scan Modes:** Gantry mode and optional portal mode
- **Scanning Speed:** 0.2, 0.4, or 0.8 m/s gantry, 3–8 kph portal mode
- **System Throughput:** Up to 20 trucks per hour in gantry mode, up to 80 trucks per hour in portal mode
- **Power Requirements:** 50 Hz: 400 or 380 VAC, 40 kVA; 60 Hz: 480 VAC, 40 kVA

SYSTEM DIMENSIONS¹

- **Width:** 8.3 m (27 ft 3 in)
- **Height:** 5.8 m (19 ft)
- **Depth (excluding rails):** 3.6 m (11 ft 10 in)

Maximum Vehicle Dimensions:

- **Width:** 2.8 m (9 ft 2 in)
- **Height:** 5 m (16 ft 5 in)
- **Length:** 20 m (65 ft 7 in)

ENVIRONMENT

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

HEALTH AND SAFETY

- **Radiation Control Area (RCA):** Determined by system configuration¹
- **Radiation Dose to Driver (in portal mode):** Less than 0.25 µSv per scan
- **Radiation Dose to Crew:** Less than 0.5 µSv in any one hour
- **Radiation Dose to Cargo²:** Less than 30 µSv per scan
- **Enclosed Facility:** Recommended to reduce the size of the RCA

¹ Total site footprint may be larger than the system dimensions and the associated radiation control area and varies in size depending on options, the concept of operations, and site-specific requirements.

² For G60-S, G60-T, G60-R configurations.

SYSTEM OPTIONS

- **Portal Mode:** Supports the drive-through scanning of traffic
- **CabScan® Mode:** While in portal mode, safely scans the cab of the truck from front bumper to start of cargo
- **Integrated Peripheral Devices:** Automatic license/number plate recognition system and/or automatic container code recognition system
- **Extreme Cold Weather Package:** Extends the system operating temperature to -40 °C
- **Extreme Hot Weather Package:** Extends the system operating temperature to +55 °C

InSight® Intelligent Image Analytics

- **InSight High Density:** Identifies high-density anomalies

The performance characteristics and photos in this document are indicative and for information only and do not represent any specific system configuration. Specifications and features of individual systems will vary based upon customer requirements, operation, supplied options, and other factors. Customers must refer to the relevant quote, proposal, or contract for the definition of a system configuration, including specifications and optional items. Due to continual development of our products, we reserve the right to amend any of the information listed here without notice. Please note that due to U.S. laws and regulations, not all products are available for sale in all countries without restriction.

© 2022 Rapiscan Systems | American Science and Engineering, Inc.

Rapiscan | AS&E — Part of the OSI Systems family of security companies. We deliver products and services that help our customers find threats and contraband with ease and confidence, while maximizing operational efficiency. Our global service network enables us to respond to customer needs quickly and provide exceptional support, because we know that every moment of uptime is critical. We understand the importance of our customers' missions—from uncovering trade fraud, to combating terrorism, to detecting drug and weapons smuggling, to exposing illegal immigration. That's why it's our mission to help them succeed.

US Operations
829 Middlesex Turnpike
Billerica, MA 01821

UK Operations
Prospect Way
Victoria Business Park
Biddulph, Stoke-on-Trent ST8 7PL

Contact
Tel: +1.978.262.8700
Fax: +1.978.262.0533
rapiscan-ase.com

Rapiscan
systems

AS&E