RAPISCAN® RTT®110

Rapiscan® systems
An OSI Systems Company

DATASHEET

HBS EDITION



Industry leading high speed Explosive Detection System (EDS)

- LOW AUTOMATED FALSE ALARM RATES
- HIGHEST QUALITY 3D IMAGES FOR FAST RESOLUTION
- HIGH SPEED - UP TO 1800 BAGS PER HOUR
- FASTEST LEVEL 1 DECISION BEFORE BAG EXITS
- LOW POWER AND LOW COST OF OWNERSHIP

FRANCE STAC CERTIFIED · ITALY ENAC CERTIFIED · USA TSA ACSTL APPROVED · EU ECAC 3.1 APPROVED · UK DfT APPROVED · CHINA CAAC CERTIFIED

ROBUST DESIGN

The RTT®110 was designed from the ground up. With its stationary gantry it does not suffer from costly maintenance common with rotating gantries. It benefits from fewer moving parts and built in redundancy designed to ensure the highest levels of system availability for the most demanding aviation security environments. The intuitive user interface provides comprehensive diagnostic and report management and can be accessed locally or via Rapiscan®'s offsite service network.

HIGH RESOLUTION COMPUTED TOMOGRAPHY (CT)

The RTT®110 is revolutionizing the EDS market by providing exceptional performance and significantly lower cost of ownership. The RTT®110 produces high quality 3D images, delivered to the level 2 screener typically before the item has even left the machine.

REGULATORY COMPLIANCE

The RTT®110 is ECAC Standard 3 for EDS certified / approved by the TSA, DfT, STAC and ENAC. The RTT®110's technology platform has been designed for easy upgrade to meet evolving standards now and in the future.

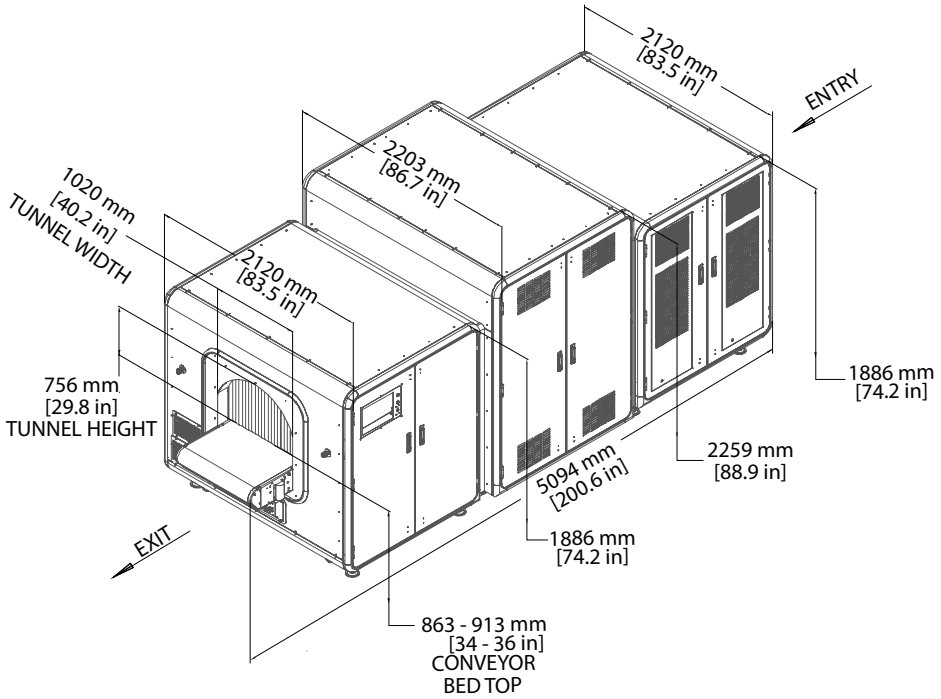
INDUSTRY LEADING, FAST DECISION TIME

The speed that the alarmed image is presented to the screener is fundamental for EDS machines. The faster the image is delivered to the screener; the less conveyor is needed which can be crucial where space is at a premium as well as benefiting from greater cost savings. The RTT®110's high speed image reconstruction not only can save space and money but also allows for longer decision times for the operators at level 2 if needed.

HIGH SCANNING SPEED GIVES FLEXIBILITY

With its unique stationary gantry design and belt speed of 0.5m/s the RTT®110 produces industry leading full volumetric CT images at high speed without compromising on security. Together with its dynamic spacing window between bags, the RTT®110 can easily maintain 1800 bags per hour.

Dimensions are in mm[in]



PHYSICAL SPECIFICATIONS

DIMENSIONS	L	5,094 mm (200.6 in)
	W	2,203 mm (86.7 in)
	H	2,259 mm (88.9 in)
TUNNEL OPENING	L	1,020 mm (40.2 in)
	H	756 mm (29.8in)
WEIGHT (NET)		6,650 Kg (14,661 lbs)

ENVIRONMENT & POWER

POWER REQUIREMENTS	From 2kW in low power mode to 12kW at 1800 BPH
OPERATING ENVELOPE	0°C to 40°C
RELATIVE HUMIDITY	10 to 90% non-condensing

VOLTAGE RATING

EUROPE	400 Volts AC +/- 10%, 50Hz 3 Phase + Earth
USA	480 Volts +/- 10%, 60Hz 3 Phase + Earth
CURRENT RATING	32A

GENERAL SERVICE AREA

915 mm (36 inch) on each side, no additional access required above or at ends.

PRODUCT HIGHLIGHTS

- TSA Certified and EU ECAC Standard 3 Approved Explosive Detection System
- Capable of operating at more than 1800 BPH at 0.5m/sec
- Stationary CT Gantry provides reliability and low power requirements
- Class-leading full 3D volumetric scanning and resulting images for fast, accurate decisions
- Integrate with all leading baggage handling system providers
- Fastest Level 1 decision typically before the bag exits the machine
- Low false alarm rates
- Modular design for improved access into challenging locations & allows for the most difficult of installations
- Proven technology with multiple units integrated into dual redundant networks
- No vibration due to non-rotating gantry, ideal for installation on mezzanines
- Remote diagnostics to improve availability
- Suitable for in-gauge, out-of-gauge or mixed
- As standard scans items from 20cm to 2600cm long
- Integral, self contained cooling. No requirement for external chillers
- Technology platform designed for future upgrade to meet evolving standards and requirements
- Rapiscan® Systems fully owns the design and expertise for all core RTT® technologies enabling fast delivery to market of new product improvements

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Rapiscan® Systems is ISO 9001:2015 Certified

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.