RAPISCAN NARCScan™

Automatic Detection of Narcotics

Real Time Detection

Increases Throughput

Rapiscan Systems' NARCScan™ software improves the operator's ability to quickly detect illegal and concealed narcotics - through automatic detection on all its baggage and parcel inspection systems.

The ability to detect illegal and controlled narcotics has become increasingly important to many countries' national security. Narcotics trafficking ruins lives, drains billions of dollars from the economy, and spawns violence that threatens communities. NARCScan, Rapiscan Systems' automatic narcotics detection technology, allows baggage and parcel inspection system operators to more quickly and easily identify potential illegal material inside scanned baggage or parcels.

By analyzing the targeted object for anomalies that might indicate concealed or actual narcotics, and displaying these as visual alerts in the operator's screen image, the NARCScan software accelerates the scanning and narcotics discovery process at any screening station.
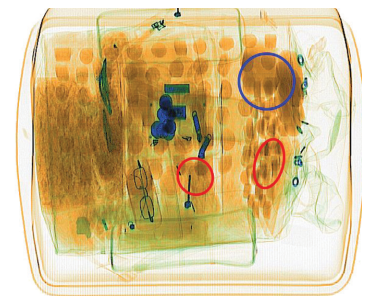
Features

- Non-intrusive automatic detection of narcotics inside the bag or parcels
- Real time detection without the need to stop the conveyor and lose time
- Does not require operator image processing or manipulation
- Works simultaneously with other Rapiscan BPI OS600 functions, including Target™ for automatic detection of explosives, Threat Image Projection (TIP) and Density Threat Alert (DTA)
- Can be used in automatic and interactive modes
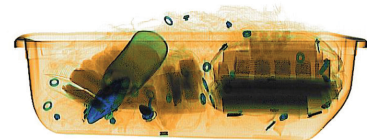- Available on all Rapiscan Systems' 600 series X-ray systems

Benefits

- Improves security by assisting operators in identifying narcotics that may be concealed or otherwise not easily visible
- Increases throughput by accelerating the screening procedure

Simultaneous detection of potential narcotics (blue) and explosives (red) are highlighted on the X-ray images.
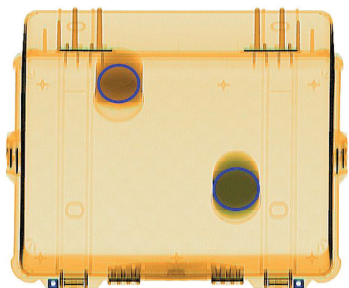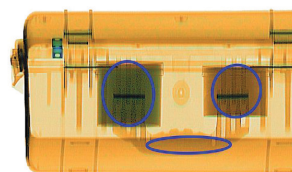

Vertical view

Horizontal view

Potential narcotics (Blue) are highlighted on the X-ray images.

Vertical view

Horizontal view

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The Principle

NARCScan™ uses a proprietary detection algorithm that performs real-time material resolution by analyzing data such as atomic number, mass, size and other properties of the scanned materials. It then highlights the suspect material on the operator screen. The technology can non-intrusively and automatically detect and identify narcotics inside the bag or parcel and alert the operator even if the suspect items are obscured or overlap with others.

Use of this automatic detection algorithm provides high detection and excellent false alarm discrimination as it incorporates a proprietary approach in detection algorithm to the information provided by the X-ray images. NARCScan's detection algorithm is based on the same breakthrough, leading edge technology as in Rapiscan Systems' renowned global regulatory-approved high speed, high resolution explosive detection system (EDS), RTT™ for aviation hold baggage screening,

Modes And Features

NARCScan™ can be operated in both automatic and interactive modes. In automatic mode, as each item is scanned, NARCScan analyzes the contents without the need to stop or slow down the X-ray system conveyor. In the interactive mode, NARCScan supplements the automatic NARCScan mode by providing the X-ray system operator with the ability to apply the algorithm manually to suspect objects as needed. This is achieved by selecting an area of the scanned object using the mouse pad available on the standard operator control panel.

NARCScan is available as an option on all Rapiscan Systems' 600 series conventional baggage and parcel inspection X-ray systems including single and dual view scanners. In dual view systems, the automatic detection feature highlights the suspicious material in both horizontal and perpendicular views. It is able to function simultaneously with other useful features on the 600 series, like Target™ for automatic detection of explosives, Threat Image Projection (TIP) and Density Threat Alert (DTA).

	For additional information on other Advanced Technology Options (ATO), please consult your local distributor or sales representative.
	Threat Image Projection (TIP)
	TIPNet
	Target™ (Automatic Detection of Bulk Explosives)
	aLEXis™ (Automatic Detection of LAGs Explosives and precursors)
✓	NARCScan™ (Automatic Detection of Controlled Narcotics)
	Density Threat Alert (DTA)
	Operator Training Program (OTP)
	Multi-System Network Display Station (NDS)
	NETView™ (Network Image Archiving Review)

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