

## VACIS® IP6500 Integrated Inspection System

# VACIS® IP6500 integrated cargo-inspection system

X-ray imaging plus identification of radioactive material

A high-speed, comprehensive scanning solution — for security and commerce



**The VACIS IP6500 system performs x-ray imaging and spectroscopic radiation detection in the typical flow of checkpoint traffic.**

The challenge: inspect every cargo container without slowing the flow of commerce. The solution: the VACIS IP6500 integrated inspection system — a powerful, practical solution for high-volume scanning operations.

The system's high-energy x-ray feature provides detailed images of container contents, even through heavy shielding. Its spectroscopic radiation detection locates and identifies nuclear material. Its OCR system identifies containers as they are scanned. And its database component integrates and delivers scanning images and data on demand.

Built for high throughput, the system can scan more than 150 containers per hour in the typical flow of traffic at gates or other checkpoints. With its small footprint and low radiation dose, the system can be used in very limited space. And by revealing weapons, special nuclear material (SNM) and other contraband, the system can greatly reduce the need for costly manual inspections.



With its low radiation dose, the VACIS IP6500 system is ideal for tight spaces.

### A powerful, practical scanning solution

The VACIS® IP6500 system combines powerful scanning technologies in a fast, compact unit.

#### Key features

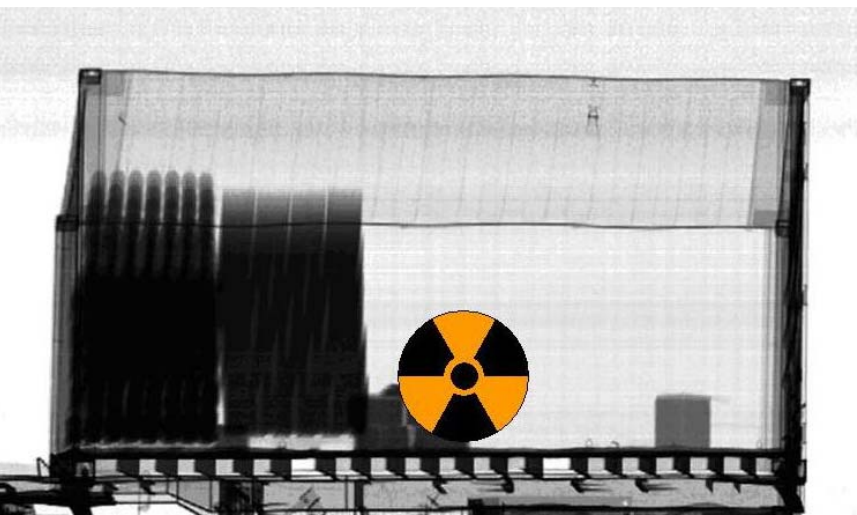
- High-energy x-ray imaging
- Spectroscopic radiation detection and identification
- OCR container identification
- High throughput — more than 150 containers per hour
- Fast data integration and display
- Very small operating space; requires no external structure or shielding
- Extremely low radiation dose for safety and small size

- ◆ **High-energy X-ray imaging.** The system can reveal threats and contraband through more than a foot of steel. And its low radiation dose increases safety and reduces space requirements.
- ◆ **Radiation detection.** The system can detect, locate and identify even heavily shielded SNM with a false alarm rate of less than 1 in 10,000 — meeting or exceeding the challenging ANSI N42.38-2006 standard.
- ◆ **OCR container identification.** The system’s OCR component automatically identifies containers as they are scanned.

The system quickly integrates the scanning images and data for each vehicle. Security personnel can review the images and data at any time.

#### Fast and compact

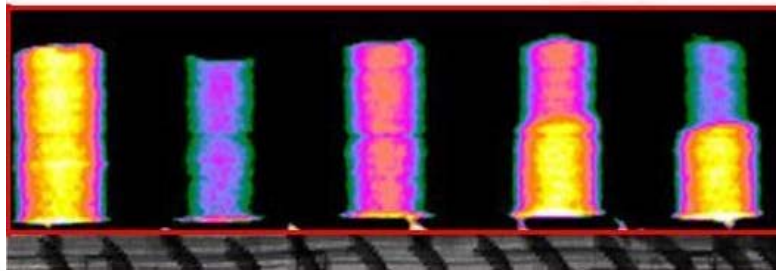
The system can scan more than 150 vehicles per hour as they drive through without stopping. With a typical operating footprint of just 8 by 5 meters — including exclusion zone — the system is ideal for use in tight spaces.



The VACIS IP6500 system delivers integrated scanning images and data in real time.

Left: A radiation source near the center of a container.

Below: Water, diesel, gasoline and mixtures in fuel drums.



#### SAIC Security and Transportation Technology

10260 Campus Point Drive, V2-F | San Diego, CA 92121

866.SAF.TRAN (866.723.8726) | sectrans@saic.com

Visit us online at [www.saic.com/security](http://www.saic.com/security)

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