



## OCV PORTAL X-RAY SCANNER FOR CARS AND VANS

### Short description

The constant increase of terrorist activities calls for fast and reliable methods of screening vehicles.

High-security facilities need high-tech equipment and efficient measures to address this new challenging environment.

OCV helps operators scan cars quickly and safely, while generating an extremely low, not hazardous dose of radiation for the passengers of the inspected vehicles and operators.

The scanning process is fast and detail-oriented, burrowing into all parts of the automobile and giving a thorough view to the operator.

With OCV, you have confidence in full view.

In an era of increased terrorism and unlawful activities on a global scale, safety professionals need fast, reliable and proven processes for screening vehicles.

Top-security facilities require high-tech equipment and efficient measures to address this new challenging environment.

OCV is a safe and cost-effective scanner that achieves top imaging performance with an extremely low radiation dose for the vehicle occupants.



## **OCV PORTAL X-RAY SCANNER FOR CARS AND VANS**

Developed with a constant focus on high performance and reliability, it can scan up to 400 vehicles per hour in search for contraband or threats such as weapons, improvised explosive devices or other forbidden items.

- Transmission imaging, a top-down oriented x-ray generator and optimized geometry in order to provide high-resolution images of vehicles driving through the scanning frame.
- Dual-energy imaging that provides organic / inorganic material separation for fast identification of threats such as explosives or other IED components. It also gives the operator an important tool to identify other dangerous items such as weapons or contraband.
- An optional radiation detection system available for detecting smuggling of forbidden material or for identification of dirty bombs.
- High throughput possibility due to its advanced imaging technology and traffic management system. The traffic management subsystem identifies vehicles through automated license plate recognition (LPR).
- Remote supervision in real time from a central management location with or without knowledge of the operators and can even be operated from the supervisor console.



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### What is it?

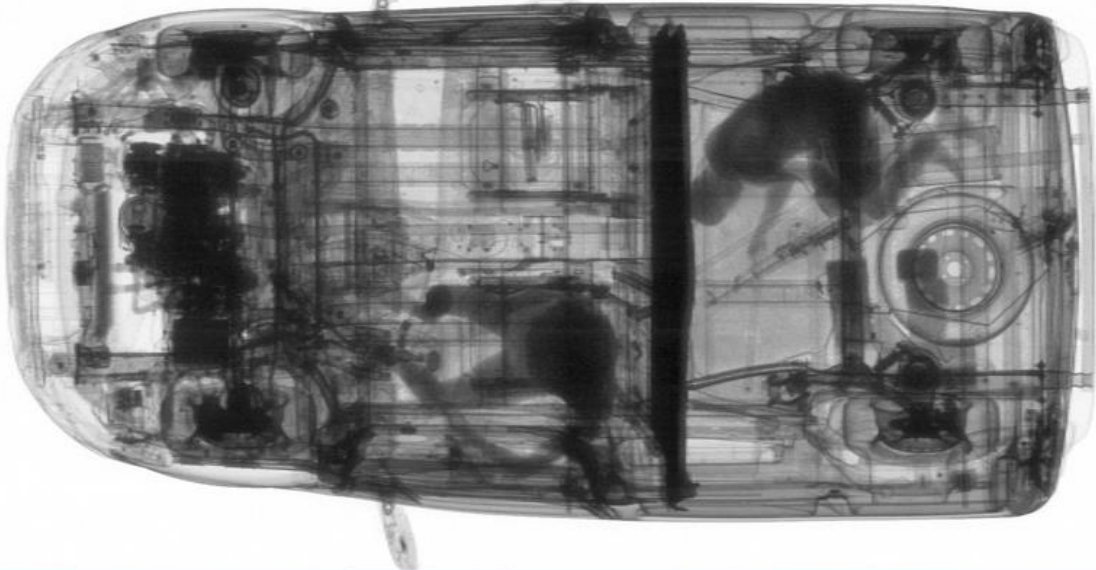
- Safe and cost-effective vehicle scanner aimed at cars and vans
- Security tool

### How does it do it?

- Uses transmission imaging and a top-down oriented X-Ray generator
- Scans in drive-through with occupants inside the target vehicles
- The radiographed image is analyzed using dedicated filters thus discriminating between organic and inorganic materials and metals
- The application allows parallel visualization of the radiography and the underside image
- Ultra-high resolution scanning mode without occupants in the target vehicle through optional module
- Detects contraband and weapons in border crossings or other high-security checkpoints
- Detect modifications made to the scanned vehicle
- Provide Hi-Res image of the vehicle's underside

### Why implement it?

- Scans up to 400 vehicles per hour for threats such as weapons, improvised explosive devices or other forbidden items
- It can be easily installed at airports, correctional facilities, government buildings, permanent and temporary checkpoints and border crossings
- Does not need notable infrastructure work to be installed
- Compact and light system that can be deployed within minutes from installation



## OCV PORTAL X-RAY SCANNER FOR CARS AND VANS

- Highest throughput rate – 400 vehicles per hour (vs. 30/hour - Smith Detection CIP-300, 140/hour – Leidos Vacis XPL)
- Best wire resolution in class – 0.4mm (vs. 0.75mm Smith Detection CIP-300, 1mm Rapiscan EAGLE C02)
- Material discrimination – 4 classes: organic/inorganic/metal/high Z (vs. AS&E – metal threats, Rapiscan - low Z-high Z, Leidos – Organic material)
- Dose rate for occupants - less than 30 nSv/scan (vs. AS&E and Smiths Detection less than 100 nSV, Rapiscan less than 250nSV)
- Compact system, easy to install and set-up, minimum impact on the existing infrastructure. Does not need extra logistics such as ramps, conveyors etc.

