3DX-RAY

SVXi

- Vehicle scanning
- Checkpoints and borders
- Customs control
- Threat detection

Small vehicle inspection

SVXi is a rapid deployment mobile x-ray system suitable for scanning vehicles up to the size of a small van.

Designed for maximum flexibility, the SVXi x-ray system is offered in both static and mobile configuration, to provide cost effective solution for security screening of vehicles at a variety of locations.

Thorough physical searching of a vehicle can take many hours. The SVXi system allows security personnel a detailed view of the inside of the whole vehicle in a single scan.

The operator is able to control the unit and view the images from a remote laptop imaging station.

Sophisticated easy to use software allows the operator to zoom, pan and process the image rapidly and make an accurate assessment of any potential risk.

Designed for maximum flexibility the SVXi can be mounted on a range of transportation for mobile deployment.

Once at its destination it can be set up and operational in 15 minutes.

SVXi can be deployed at key locations across an entire region to combat smuggling.

SVXi is also suitable for event and venue security, enabling security personnel to see what is being taken on and off site without the need for intrusive hand searches.

Designed to meet the needs of security and customs personnel, SVXi produces high resolution images of a vehicle in a single pass.
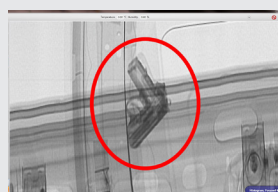
Key features

- Sub-millimetre resolution images
- Typical set-up time 15 minutes
- Intuitive operation
- Powerful image processing
- Mobile system for flexible deployment
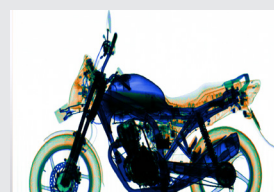
Typical deployment

- Security checkpoints
- Border Control
- Customs
- Events
- High security premises
- Forensic inspection

Scanned vehicle c/w ANPR

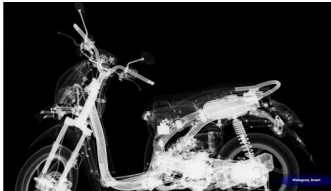Annotation feature highlighting threat item

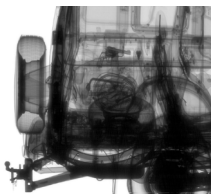X-ray of motorbike

SVXi fully deployed

SVXi

SVXi in use

Inverted moped image

Vehicle scan

Car seat scan through door

SVXi in tow

Standard Configurations	
Mobile	Motorised trailer-mounted x-ray imaging unit with laptop imaging station. Can be towed by a suitable vehicle.
Fixed	Fixed x-ray imaging unit with wired or wireless remote imaging and control station.
X-Ray Generator	
Anode voltage	up to 225kV
X-Ray Detector Panel	
Image resolution	up to 1.0mm
Dynamic range	4096 grey levels
Image acquisition / scan speed	45 to 120 seconds
Gantry area (W x H x L)	2.5m x 2.7m x 5m
Communications	
Wired link	30m
Power	
Mains power	230Vac @ 50Hz
Onboard generator (option)	Petrol
Environmental	
Operating temperature	0°C to +40°C
Low temperature pack (option)	-40°C to +40°C (LT)
High temperature pack (option)	0°C to +55°C (HT)
Relative humidity	0% to 95% non-condensing
Operation	
Typical throughput	45 vehicles per hour (typical 5m long vehicle)
Set-up time	Typically 15 minutes
Scan time	Typically under one (1) minute
Report and control	Wired or wireless with remote imaging and control station
Imaging Station*	
Type	Laptop computer (ruggedised / tablet options available)
	* PC specification to be confirmed and agreed at order stage
Processor	Intel Core i5-24 10M 2.3GHz
Display	17.3" High Definition (1600x900) LED display with AntiGlare
Hard drive	500GB
Operating system	English MS Windows
Power	Mains and battery
Imaging	
Materials discrimination	Dual energy (option)
Image processing	Pan, zoom, DeepFocus™, image filters, variable contrast
Image archiving	Automatic image archiving and image review
Safety	
	Radiological safety cordon subject to site survey
	Audible and visible warning sign
	Physical safety interlocks

In the interest of product development 3DX-RAY Ltd reserves the right to change specifications without notice. Please visit our website for the latest version - www.3dx-ray.com.   v8