Technical Specifications

Technical Specification		Fixed VX-Ray™	Transportable VX-Ray™
X-Ray Gantry	Type of X-ray Source	160kV X-Ray Generator	
	Tunnel Dimensions	2800mm (W) x 2400mm (H)	
	Vehicle Type for Screening	Saloon Car – Van	
	Vehicle Speed when Screening	20km/h	
	Screening Throughput	360 Cars Per Hour	
Image Processing	Pixel Depth	16bits	
	Image Acquisition Mode	Real-time, Synchronised	
	ROI & Zoom	Yes, 12x Zoom	
Health and Security	Max. X-Ray Dose per inspection	Less than 0.05µSv	
	Max. X-Ray Dose at Passive filtering zone per inspection	Less than 0.01µSv	
Environmental and Electrical	Environmental Standard	IP65	
	Operating Temperature	0˚C ~ 55˚C	
	Power Requirement	220-240V, < 20Amps	
Hydraulic System	Max Working Pressure	–	40 Bar
	System Deployment Speed	–	52 sec
	Flow	–	11.6L/min
	Oil-system HPU	–	K3-406M-A12.Z-EA6M-24V 20-S10
	Motor	–	1.1kW/ 230V/ Single phase
	Gear Pump	–	8cc/rev
	Unloading Valve	–	24VDC
	Oil Tank	–	30Litres
Add-on feature:	Side Screening	✓	–

Product specifications may be subject to change without prior notice. USA Patented.
– indicates Not Applicable

Other related systems that can be integrated to VX-Ray

Under Vehicle Surveillance System

Under Vehicle Magnetic Sensor

ISO 9001:2008 CERT NO.: 300204

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Authorised distributor:

TeleRadio

VX-RAY™

Passive Vehicle Screening System

Screen vehicle interiors for explosives,
weapons, stowaways and contrabands

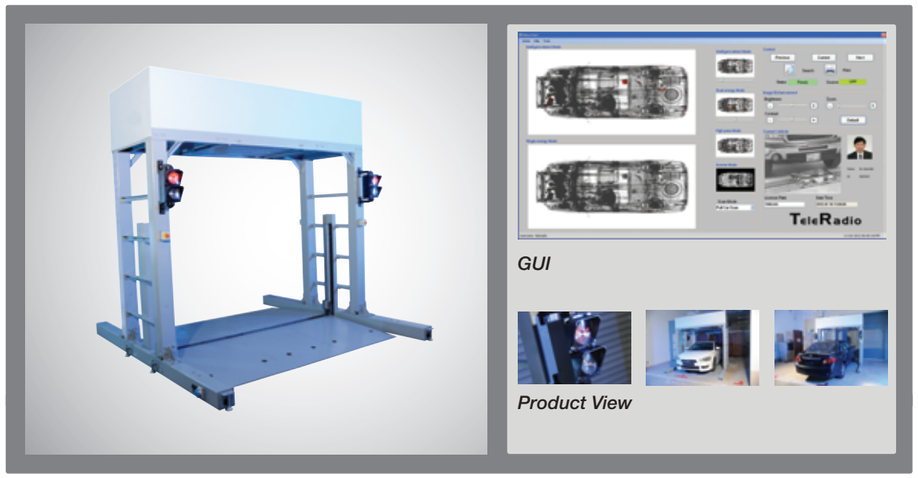
www.uvss.com

VX-RAY™

VX-RAY™ uses nominal radiation imaging technology to inspect the interiors of saloon cars, sport utility vehicles (SUV), multi-purpose vehicles (MPV), mini vans and small trucks while allowing the driver and passengers to drive through safely. It is an automatic vehicle screening system where high resolution images are displayed in top-down view.

Fixed VX-Ray™

Fixed VX-Ray is used for permanent installation at site.

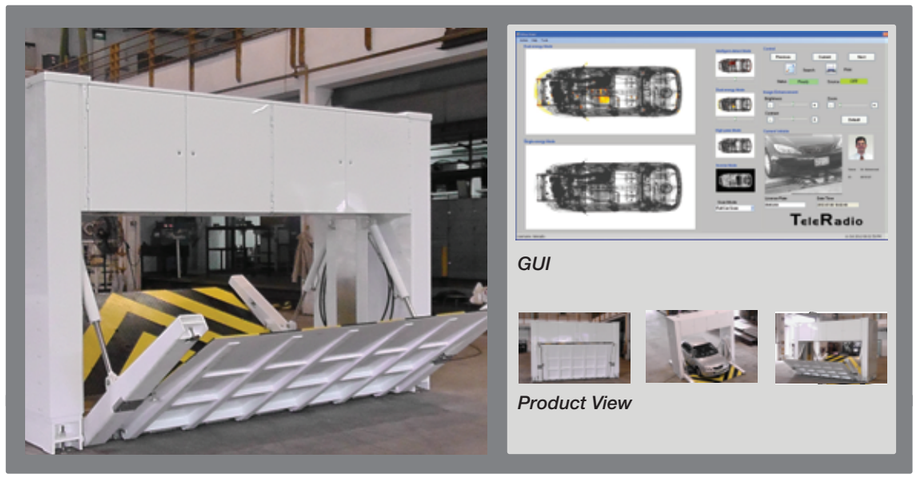


GUI

Product View

Transportable VX-Ray™

Transportable VX-Ray is a fully automated deployable system that requires 1-min set up and is conveniently moveable from one location to another.



GUI

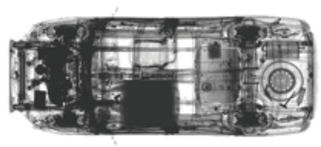
Product View

Application

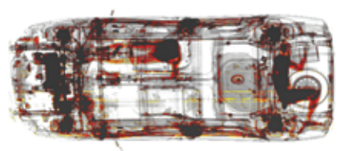
Screening of incoming vehicles' interiors for Ministry of Interior, Ministry of Defence, law enforcement agencies, air & sea ports, custom/border checkpoints, palaces, embassies, petroleum & nuclear plants, hotels, malls and any vital premises.

System Highlights & Features

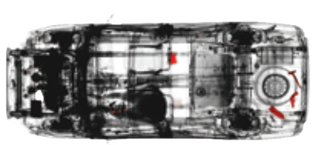
- **Determination of organic and inorganic objects using Dual Energy feature**
- **Identification of hidden weapons and stowaways**
- **Auto detection feature to determine foreign objects**
- **Safe screening solution for drivers and passengers**
- **Quick vehicle inspection throughput of 360 cars/hr**
- **High quality image for faster interpretation**
- **Vehicle screening at 20km/hr**
- **Compact system that can effortlessly deploy and integrate with Under Vehicle Surveillance System (UVSS), Under Vehicle Magnetic Sensor (UVMS), Vehicle Licence Plate Recognition System (VLPR), General Scene Capturing System, etc.**
- **Remote access feature (optional)**



1. Single Energy Image of a vehicle with a hidden gun

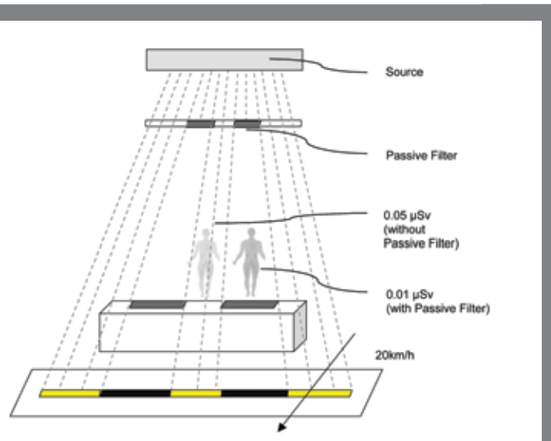


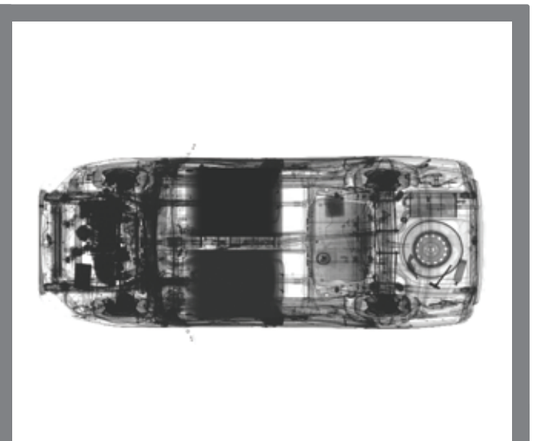
2. Dual Energy Colour Coded Image of a hidden man



3. Dual Energy Auto Detect Image highlights suspicious objects in red

Launched with Passive Filter Technology





The integration of 160kV imaging source with hyper-sensitive detectors and the Passive Filter Technology present a secure and efficient inspection solution for any moving vehicle at checkpoints and critical installations.

The Passive Filter Technology uses an intelligent filtering mechanism that effectively shields off any unnecessary radiation targeted at the driver, making this vehicle screening technology safer than any other existing systems.