

200 KV MOBILE
REFLEXION™
IMAGING VEHICLE
QUICKLY SCREEN
OCCUPIED OR
STATIONARY VEHICLES
AND CARGO.

SAFE, AUTOMATED VEHICLE AND
CARGO SCANNING SYSTEM

DRIVE BY AND DRIVE PAST
INSPECTION APPLICATIONS

MOBILE PLATFORM FOR RAPID
DEPLOYMENT INSPECTION
OPERATIONS

KEY FEATURES

1. Mercedes Sprinter Van
2. On-Board Image Inspection
3. Covert CCTV Camera
4. Module Deployment Capability
5. Drive by Scanning with bi-directional approach laser proximity sensor
6. Reflexion™ Imaging system
7. Electric Scan Drive system
8. WiFi Networking Option
9. Operator Access to Imaging system
10. Control Panel Access
11. Emergency Stop
12. Shore Power and Ethernet
13. Onboard 9.5kW Generator
14. Operation by 1-2 Person Crew
15. Module to chassis locking system



RAPISCAN® RXV REFLEXION™ VEHICLE IS A RAPID DEPLOYMENT MOBILE INSPECTION PLATFORM OFFERING MAXIMUM FLEXIBILITY AND MANOEUVRABILITY. X-RAY TECHNOLOGY ASSISTS IN THE RAPID IDENTIFICATION OF THREAT AND CONTRABAND ITEMS; SUCH AS PLASTIC EXPLOSIVES, DRUGS, TOBACCO, CURRENCY AND PEOPLE SMUGGLING. THE SYSTEM CAN ALSO DEPLOY THE SCANNING MODULE TO PROVIDE SAFE UNMANNED STAND-OFF SCANNING OPERATIONS.



RAPISCAN RXV REFLEXION™ VEHICLE

Rapiscan® systems

An OSI Systems Company

PHYSICAL SPECIFICATIONS

Platform Type	Mobile Reflexion™ Inspection System
Platform	Vehicle Drive Past, and Drive By
View Direction	Side shooter
Dimensions Stowed	Length: 6.9 m, Width: 2.7 m, Height: 2.8 m
Overall Dimensions	Length: 6.9 m, Width: 2.7 m, Height: 2.8m
Scan Area Dimensions	Width: 3.9 m, Height: 5.1 m
Maximum Recommended Scan Height	4.0m at 1.5m from the Vehicle
Minimum Scan Height	0m from ground at 1.5m from the Vehicle
Scan Orientation	90° to inspected object
System Weight	Circa 5.3t

OPERATION

Set-up	20 minutes in standard operating environment
Crew	1 inspector/ driver minimum, individual Driver and inspector positions for two person operation where required. The system output can be networked to further inspectors for increased throughput
Scan Modes	Drive-Past and Drive-by scan mode
Scan Direction	Bi-Direction Scanning in Drive Past Mode, Single Direction Operation in Drive By Mode
Scanning Speed	2-10 km/h Drive past mode, 0.6, 1.2 and 2.4 km/h. in drive by mode

X-RAY GENERATOR AND IMAGE PERFORMANCE AT A SCAN SPEED OF 0.6KM/H*

X-Ray Energy		200kV tube
Steel Penetration	500mm from RXV	8 mm
Spatial Resolution - Horizontal	500mm from RXV	6 mm
Steel Penetration	1,000mm from RXV	7 mm
Spatial Resolution - Horizontal	1,000mm from RXV	7 mm
Steel Penetration	1,500mm from RXV	6 mm
Spatial Resolution - Horizontal	1,500mm from RXV	9 mm
Material Separation	Organic materials appear brighter in the x-ray image	

OPERATING ENVIRONMENT*

Operational Temperature	-10°C to +40°C
Relative Humidity	5 to 95% non-condensing

RADIATION SAFETY*

Open Radiation Exclusion Zone	<10m from the scan side of the RXV in drive past scanning when used with beam stop, System Footprint in drive by scanning mode
Radiation Dose at Exclusion Zone Boundary In One Hour	less than 0.5 µSv in any one hour
Radiation Dose to Driver	less than 0.25 µSv per scan (in portal mode)
Radiation Dose to Crew in One Hour	less than 0.1 µSv
Radiation Dose to Cargo per Scan	less than 0.1 µSv
Shielding Type	Beam stop as standard for drive past mode

Reflexion™ is not available for sale or use in certain countries

* All tests performed according to ANSI N42.46

* The performance characteristics outlined in this document are indicative and for information only, the specific performance characteristics of individual systems may differ based upon customer requirements, operation and supplied options. Should further enhanced characteristics or extended capabilities be required, please contact a Rapiscan Systems Cargo and Vehicle Inspection representative.

SUPERIOR QUALITY, COMPREHENSIVE STANDARD FEATURES AND FLEXIBLE OPTIONS - INCLUDED WITH EVERY RAPISCAN EAGLE CARGO AND VEHICLE INSPECTION SYSTEM.

Our commitment to value and innovation make Rapiscan the first choice in cargo and vehicle inspection solutions. Rapiscan Systems is a global leader in high quality inspection solutions and advanced threat identification techniques. Security is our only concern, and we focus on developing customer-centric solutions that are future-proof and cost effective. All Rapiscan products are backed by a 24 x 7 worldwide training, maintenance and service organization.

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.

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Rapiscan Systems is ISO 9001:2008 Certified

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