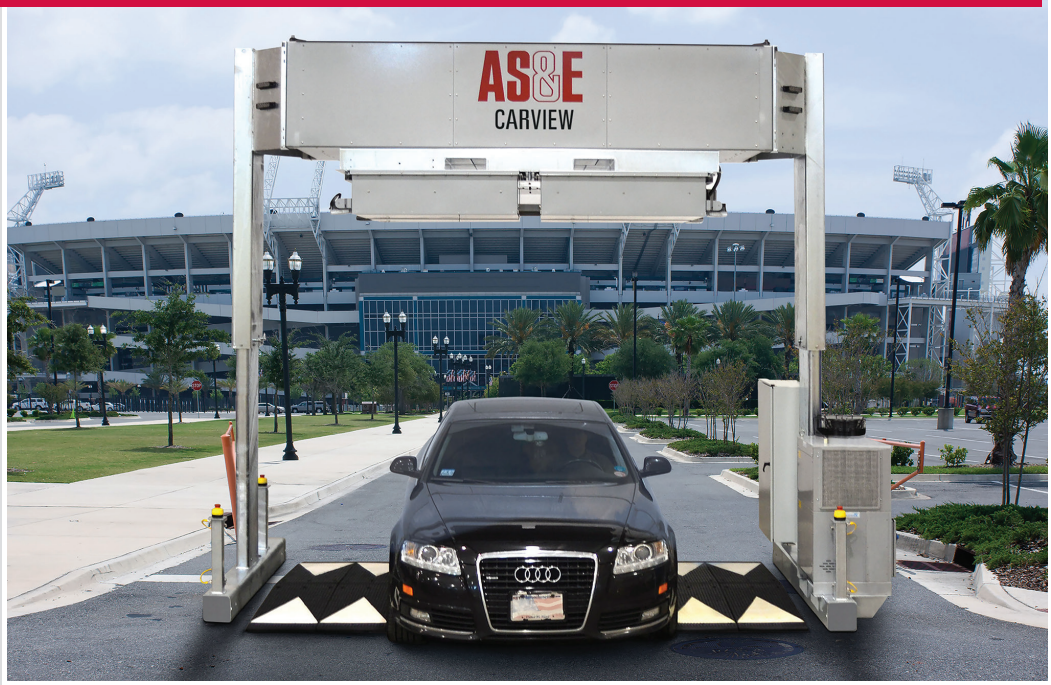
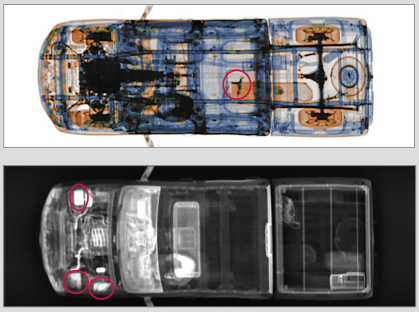
CARVIEW PORTAL

MULTI-TECHNOLOGY, TOP-VIEW PASSENGER VEHICLE INSPECTION SYSTEM



KEY FEATURES AND BENEFITS

- High throughput, drive-through screening
- Multi-technology system for threat and contraband detection
- Small footprint
- Highly relocatable



TOP: Dual-energy transmission image of a scanned vehicle reveals an automatic weapon

BOTTOM: Z Backscatter image of the same vehicle reveals simulated drugs and currency

The AS&E CarView™ Portal offers high-throughput, multi-technology screening of passenger vehicles, helping operators detect threats and prevent them from crossing borders and entering secure facilities. The compact CarView system screens occupied cars and small trucks using innovative detector technology that simultaneously produces two views of the scanned vehicle: a high-quality, dual-energy transmission image and a photo-like Z Backscatter® image. Dual-energy transmission X-rays penetrate the vehicle and generate a colorized image that helps detect threats such as weapons and vehicle-borne improvised explosive devices (VBIEDs). Our proven Z Backscatter technology produces a photo-like image of the contents of a vehicle, highlighting organic materials such as stowaways, explosives, drugs, currency, and other contraband.

The compact CarView system fits into existing traffic lanes and standard tollbooth lanes, while its high scan speeds make it ideal for either primary or secondary inspection applications. As mission objectives change with an ever-evolving threat landscape, the portal can be easily relocated to meet new requirements.

SPECIFICATIONS

CARVIEW PORTAL

OPERATING FEATURES

- **X-ray Source:** 225 keV
- **Crew:** One X-ray system operator/inspector standard. Additional traffic coordinator is optional
- **Scan Modes:** Operator initiated or continuous
- **Scan Speeds :** 4–20 kph (2.5–12.4 mph); Spatial correction software compensates for variations in vehicle speeds
- **Throughput:** Up to 400 vehicles per hour
- **Power Requirements:**
  - **50 Hz:** 400 V, 25 A, 12 kVA
  - **60 Hz:** 480 V, 25 A, 12 kVA

SYSTEM DIMENSIONS AND SPECIFICATIONS

- **Width:** 4.9 m (16.3 ft)
- **Height:** 4.4 m (14.3 ft)
- **Length:** 4.2 m (13.8 ft)
- **Weight:** 5,700 kg (12,570 lbs)

Tunnel Dimensions

- **Width:** 3.7 m (12.3 ft)
- **Height:** 2.8 m (9.3 ft)

Maximum Vehicle Dimensions

- **Width:** 2.7 m (9.0 ft)
- **Height:** 2.7 m (9.0 ft)

ENVIRONMENT

- **Operating Temperature:** -30° C to 55° C (-22° F to 131° F)
- **Storage Temperature:** -40° C to 70° C (-40° F to 158° F)
- **Operable in rain, snow, wind, and blowing sand**

HEALTH AND SAFETY

- **Radiation Exclusion Zone Dimensions (400 cars per hour):** 7.5 m x 5.7 m (24 ft 7 in x 18 ft 8 in)
- **Radiation Dose at Exclusion Zone Boundary:** 0.5 µSv in any one hour
- **Radiation Dose:** The typical dose to the scanned vehicle and driver is 0.04 uSv (4.0 uRem) per screening
- **Radiation Standards:** System conforms to manufacturers' requirements of ANSI N43.17-2009 *Radiation Safety for Personnel Security Screening Systems Using X-ray or Gamma Radiation*

SYSTEM OPTIONS

- **Integrated Peripheral Devices:** License/number plate recognition system and under-vehicle inspection system
- **Radiation Portal Monitor:** Gamma or gamma/neutron
- **CIM Server Networking Solution:** Enables images from one or more systems to be sent to a centralized database and connects one or more analyst workstations for local or remote image analysis
- **Vehicle Protection Kit:** Vehicle guides and flags to direct traffic through the tunnel and decrease vehicle collisions with the system

Operator Alert Tools

- **Fusion Imaging™ Technology:** Utilizes key attributes of the transmission image to enhance the sharpness of the Z Backscatter image and improve detection capabilities
- **Reference Vehicle Compare:** Based on a user-defined vehicle identifier field, the system automatically compares current and historical scans of a vehicle and highlights any differences between the scans

The performance characteristics and photos in this document are indicative and for information only and specifications may vary depending on scan speeds, options and other factors; the specific characteristics of individual systems may differ based upon customer requirements, operation, and supplied options. In addition, due to continual development of Rapiscan Systems and AS&E products, we reserve the right to amend specifications without notice. Please note that due to U.S. laws and regulations, not all products are available for sale in all countries without restriction. Please contact your Rapiscan | AS&E Cargo Scanning & Solutions sales representative for more information or to discuss additional requirements.

Rapiscan | AS&E — Part of the OSI Systems family of security companies. We deliver products and services that help our customers find threats and contraband with ease and confidence, while maximizing operational efficiency. Our global service network enables us to respond to customer needs quickly and provide exceptional support, because we know that every moment of uptime is critical. We understand the importance of our customers' missions—from uncovering trade fraud, to combating terrorism, to detecting drug and weapons smuggling, to exposing illegal immigration. That's why it's our mission to help them succeed.

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