



XIS-MINIVAN™



PRODUCT HIGHLIGHTS

Mobile Screening with Comfortable Working Environment

High Image Resolution with 24-Bit Color

Enhanced Material Discrimination

Windows Operating System with Intel® Core™ Processor

Real-Time Diagnostics

High-Contrast Image Analysis

The XIS-Van™ is a mobile X-Ray Inspection System (XIS) built to operate in rugged and urban terrain. Wide tunnel dimensions make it an effective screening option for small and large objects. Customizable adapters allow it to run using on shore power or generators, making it a flexible solution for roving security checkpoints.

With best-in-class image quality, the XIS-Van generates high-resolution images that allow for detailed inspections of bags and parcels. Enhanced material discrimination and image analysis makes it possible to assess threat objects with greater precision.

For safety, comfort, and convenience, the XIS-Van features a climate-controlled cabin, power steering, hydraulic disc brakes, and exterior lighting for night operations, making it the ideal choice for security screening in locations unsuited to conventional checkpoint systems.

The Astrophysics XIS-Van is designed and assembled in the United States to the highest quality standards. For nearly twenty years, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

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TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™

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GENERAL SPECIFICATIONS

Tunnel Size:	100.0 cm x 100.0 cm
(WxH)	39.4" x 39.4"
Wheel Base:	432.5 cm
(L)	170.3"
Vehicle Dimensions:	693.9 cm x 202.9 cm x 273.1 cm
(LxWxH)	273.2" x 79.9" x 107.5"
Net Weight: ¹	3402 kg (7500 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Capacity:	200 kg (441 lbs) Evenly Distributed Load
Model:	Custom Dual-Doors Mercedes Benz Sprinter 3500 High

TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	37 mm Typical, 35 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Cooling:	Sealed Di-Electric bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Vertically Downward

COMPUTER & VIDEO

Platform:	Windows® OS
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Memory:	4 GB RAM
Storage:	1 TB HDD, 240 GB SSD
Display Type:	Dual 24" Flat Panel Color Monitor
Display Resolution:	1600 x 1200; 24 Bit/Pixel Color

ENVIRONMENTAL

Operating Temperature:	0°C to 40°C / 32°F to 104°F
Storage Temperature:	-20°C to 60°C / -4°F to 140°F
Humidity:	Up to 95% Non-Condensing

ELECTRICAL

System Power:	110VAC +/- 10% 50/60Hz, 15 Amp Max
	220 VAC +/- 10% 50/60Hz, 10 Amp Max

HEALTH & SAFETY

Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
 Typical radiation leakage is less than 0.1 mR/hr
 (Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

STANDARD FEATURES

- 6 Color Imaging
- Color and Black/White Imaging
- Geometric Image
- Distortion Correction
- High Penetration Function
- Organic/Inorganic Imaging
- Picture Perfect
- Pseudo Color
- Real-Time Image Manipulation
- Reverse Monochrome
- Atomic Z-Number Measurement
- Material Discrimination
- 9 Quadrant Zoom
- Continuous Scanning
- Continuous Zoom Up to 64x
- Vertical Zoom Panning
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Image Annotation
- JPEG Conversion
- Print Image Capable
- Multi-Tier Accessibility
- Network Ready
- Real-Time Self Diagnostics
- Baggage Counter

OPTIONAL FEATURES³

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Threat Image Projection (TIP) Software
- Radiation Meter



¹Weight and dimensions of the system may vary depending on customization.
²As tested on Astrophysics Inc. Test Piece.
³Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

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