



ASTROPHYSICS™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY



XIS-Minivan

Smallest Vehicle Profile Mobile Screening Solution



TRANSPORTATION

Airport entrances and perimeters,
air cargo, and checkpoint technology.



PORTS & BORDERS

Border control, sea ports, and
other large cargo sectors.



CRITICAL INFRASTRUCTURE

Access control for prisons, courthouses,
mailrooms, hotel entrances and
military bases.

The XIS-Minivan is the newest model in the XIS-Series Mobile Screening product line featuring a tunnel size of 100 cm x 100 cm (39.4" x 39.4"). The smallest vehicle profile in the XIS-mobile line, the XIS-Minivan is the mobile screening solution best suited for areas where space is limited, but the need for security is absolute.

The XIS-Minivan features unmatched standards, including a high-powered 180kV generator, Climate Controlled Operator Cabin, Power Steering, Hydraulic Disc Brakes, Customizable with shore power and or Generators for All Systems.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

Astrophysics is committed to providing quality products and services nationwide. We listen to our customers and offer customizations and order flexibility based on their needs.

Backed by a team of engineers from our City of Industry, California center of excellence headquarters, Astrophysics designs cutting-edge X-ray screening technology for detecting weapons and contraband for transportation, ports, borders, critical infrastructure and other industries that present security risks.

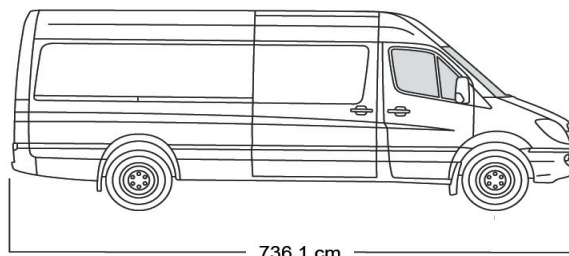
Astrophysics is headquartered in the United States and maintains a global presence with service delivery worldwide. Astrophysics is committed to global safety and is proud to present this new age of screening security—driving the industry into the technology of tomorrow.





GENERAL SPECIFICATIONS

- Tunnel Opening: 100 cm x 100 cm
(W x H) 39.4" x 39.4"
- Conveyor Speed: 23 cm/s (45 ft/min)
- Conveyor Capacity: 200 Kg (440 lbs) Evenly Distributed Load
- Input: Powered Conveyor
- Output: Gravity Driven Roller
- Wheel Base: 432.5 cm (170.3")
- Vehicle Dimensions: 736.1 cm x 202.9 cm x 281.4 cm
(L x W x H)
- Net Weight: 3402 kg (7500 lbs)
- Model: Custom Mercedes-Benz Sprinter 3500 High



736.1 cm

TECHNICAL

- Wire Resolution: 40 AWG Typical, 38 AWG Standard
- Spatial Resolution: 1.6 mm Horizontal, 1.6 mm Vertical
- Steel Penetration: 37 mm Typical, 35 mm Standard
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Film Safety: Guaranteed up to ISO 1600 (33DIN)

X-RAY GENERATOR

- Voltage: 180kV, Operating at 165kV
- Tube Current: 1.2 mA
- Cooling: Sealed Di-Electric Oil Bath with Forced Air
- Duty Cycle: 100% No Warm-Up Procedure Required
- Beam Direction: Vertically Downward
- Detector: 2304 Channels in an L-Shaped Array

COMPUTER

- Processor: Intel® Core i5, 3.1 GHz, 6MB cache
- Memory: 4 GB RAM at 1333 MHz
- Storage: 500 GB HDD
- Video Card: 1 GB, Dual Digital Display
- Platform: Windows® OS
- Backup: Uninterruptible Power Supply
(Computer Operation - 20 Minute)

VIDEO

- Display Type: Dual 24" LCD Color Monitors
- Display Resolution: 1600 x 1200; 24 Bit/Pixel Color

ENVIRONMENTAL

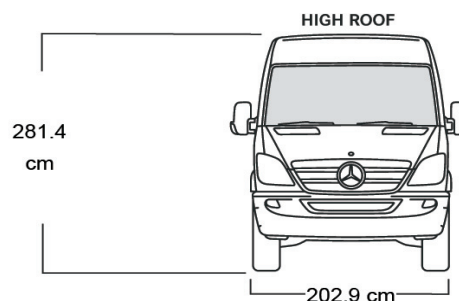
- Operating Temperature: 0°C - 40°C \ 32°F - 104°F
- Storage Temperature: -20°C - 60°C \ -4°F - 140°F
- Humidity: Up to 95% Non-Condensing

ELECTRICAL

- Power Requirements: 110VAC ± 10%, 50/60Hz, 15 Amp Max
220VAC ± 10%, 50/60Hz, 10 Amp Max
*X-Ray Machine

HEALTH AND 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 the Federal Standard)



281.4
cm

HIGH ROOF

202.9 cm

STANDARD FEATURES

- 6 Color Imaging
- 9 Quadrant Zoom
- Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- Baggage Counter
- Color and Black/ White Imaging
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Geometric Image Distortion Correction
- High Penetration Function
- Image Annotation
- Image Review
- Manual Bitmap Archive
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Organic/ Inorganic Imaging
- Operator Training
- Picture Perfect
- Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome

OPTIONAL FEATURES³

- Computer Based Training (CBT)
- Density Alert
- Entry / Exit Roller Tables (1 meter Increments)
- Intercom System
- Local Language Support
- Radiation Meter
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- Wireless Barcode Scanning



¹ As tested on Astrophysics Inc. Test Piece.

² Weight of the system may vary depending on customization.

³ Optional features may affect lead time price, and weight of XIS-Minivan. 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.