

# XIS-6545DVS™



## PRODUCT HIGHLIGHTS

Dual Image Generators

Enhanced Material Discrimination

Picture Perfect Image Analysis

High Image Resolution with  
24-Bit Color

Windows Operating System  
with Intel® Core™ Processor

Real-Time Diagnostics

The XIS-6545DVS™ is an advanced X-Ray Inspection System (XIS) with more power than any system with its tunnel size. The dual imaging system scans baggage from the side and underneath, providing operators with two clear views of its contents with reduced blind spots and obstructions. Each view can be manipulated independently with separate imaging filters, for an enhanced and detailed analysis.

Equipped with Astrophysics' best-in-class software, the XIS-6545DVS allows operators to inspect bags and packages with multi-colored, high-contrast screening tools, making it possible to recognize objects, identify materials, and isolate threats with better speed and accuracy. The high-quality images enable higher throughput, making the XIS-6545DVS the optimal solution for high-security sites in aviation and critical infrastructure.

The Astrophysics XIS-6545DVS 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.

**GENERAL SPECIFICATIONS**

Tunnel Size:	65.0 cm x 45.1 cm (WxH) 25.6" x 17.8"
Dimensions: <sup>1</sup> (LxWxH)	204.0 cm x 128.3 cm x 135.0 cm 80.3" x 50.5" x 53.1"
Net Weight: <sup>1</sup>	771 kg (1700 lbs)
Shipping Weight: <sup>1</sup>	1100 kg (2425 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	71.9 cm (28.3") from Floor
Conveyor Capacity:	165 kg (364 lbs) Evenly Distributed Load

**TECHNICAL**

Wire Resolution:	41 AWG Typical, 40 AWG Standard
Steel Penetration: <sup>2</sup>	41 mm Typical, 39 mm Standard

**X-RAY GENERATOR & IMAGE PERFORMANCE**

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.2 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward and Sideward

**COMPUTER & VIDEO**

Platform:	Windows® OS
Memory:	4 GB RAM
Storage Capacity:	1 TB HDD, 240 GB SSD
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Display Type:	Dual 19" Flat Panel Color Monitors
Display Resolution:	1280 x 1024; 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:	110 VAC +/- 10% 50/60Hz, 20 Amp Max 220VAC +/- 10% 50/60Hz, 15 Amp Max
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**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)



ISO 9001: Certified

<sup>1</sup>Weight and dimensions of the system may vary depending on customization.

<sup>2</sup>As tested on Astrophysics Inc. Test Piece.

<sup>3</sup>Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

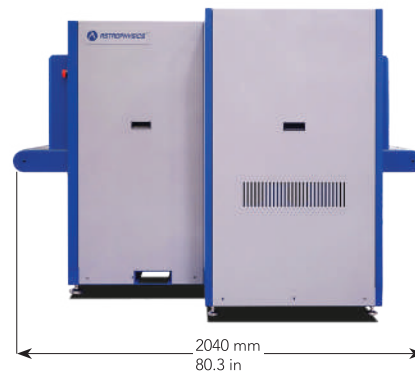
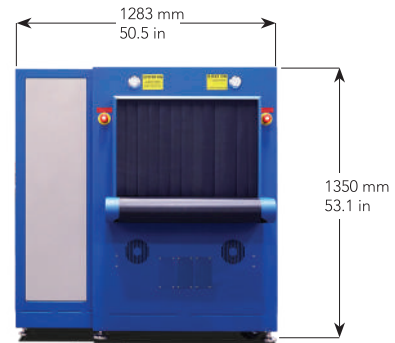
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

**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 FEATURES<sup>3</sup>**

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- 24" Flat Panel Monitor
- Custom Paint
- Environmental Kit
- Entry/Exit Roller Tables
- Footmat Operator Interlock
- Heavy Duty Casters
- Mobility Kit
- Radiation Meter
- Remote Workstation Configuration
- Sloped Conveyor



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