

# XIS-6545DVS™

## PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

Dual 180kV Generators

Enhanced Imaging™

Windows® Operating System  
with Intel® Core™ Processor

Modular Design



## PRODUCT DESCRIPTION

The XIS-6545DVS™ is an advanced modular designed X-Ray Inspection System (XIS) with more power than any competing scanner in its tunnel size. The ultimate in power and convenience, the XIS-6545DVS™ features dual 180kV generators including a side-mounted x-ray generator that can be disassembled and quickly reassembled on-site for simplified installation in confined spaces.

## ABOUT ASTROPHYSICS

Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners. Headquartered outside of Los Angeles, CA in the USA, Astrophysics has over 45,000 systems deployed in more than 180 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

# XIS-6545DVS™

## GENERAL SPECIFICATIONS

|                                              |                                                         |
|----------------------------------------------|---------------------------------------------------------|
| Tunnel Size:<br>(WxH)                        | 65.0 cm x 45.2 cm<br>25.6" x 17.8"                      |
| Dimensions: <sup>1</sup><br>(LxWxH)          | 204.0 cm x 128.2 cm x 135.0 cm<br>80.3" x 50.5" x 53.1" |
| Shipping Dimensions: <sup>1</sup><br>(LxWxH) | 228.6 cm x 139.7 cm x 165.1 cm<br>90.0" x 55.0" x 65.0" |
| Net Weight: <sup>1</sup>                     | 975 kg (2150 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                |

## X-RAY GENERATOR & IMAGE PERFORMANCE

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Voltage:                        | Dual 180kV, Operating at 165kV              |
| Tube Current:                   | Dual 1.2 mA                                 |
| Wire Resolution: <sup>2</sup>   | 41 AWG Typical, 40 AWG Standard             |
| Steel Penetration: <sup>2</sup> | 41 mm Typical, 39 mm Standard               |
| 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:             | 8 GB RAM                       |
| Storage Capacity:   | 256 GB SSD                     |
| Display Type:       | Dual 21.5" Flat Panel Monitors |
| Display Resolution: | 1920 x 1080                    |

## 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<br>220VAC +/- 10% 50/60Hz, 15 Amp Max |
| Power Conditioner: | Uninterruptible Power Supply (UPS)<br>(Computer Operation)                |

## 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 & ISO 14001 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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.  
Contact [sales@astrophysicsinc.com](mailto:sales@astrophysicsinc.com) for the most updated brochures.

## FEATURES

### STANDARD

3 & 6 Color Imaging  
Black & White Imaging  
Enhanced Imaging™  
High Penetration Function  
Hold to Preview Imaging Functions  
Inverse Color  
Organic/Inorganic Imaging  
Pseudo Color  
Reverse Monochrome

Atomic Z-Number Measurement  
Distortion Correction  
Geometric Image  
Material Discrimination  
Real-Time Image Manipulation

Auto Image Archiving  
Image Review  
Save Image (RGB)

Baggage Counter  
Multi-Tier Accessibility  
Network Ready  
Real-Time Self Diagnostics

Image Annotation  
JPEG Conversion  
Print Image Capable

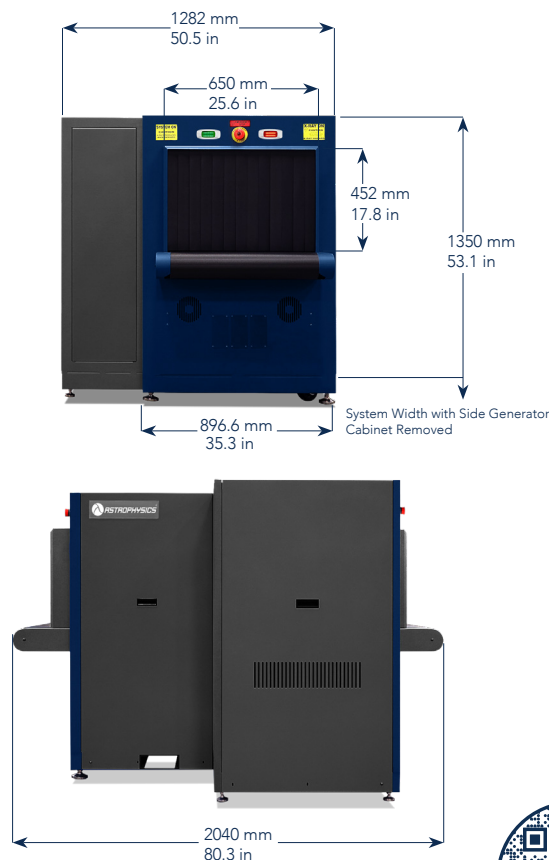
9 Quadrant Zoom  
Continuous Scanning  
Continuous Zoom Up to 64x  
Vertical Zoom Panning

### OPTIONAL

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

Conveyor Capacity Load Increase  
External USB Ports  
Motorized Rollers  
(Available in 1, 2 or 3 Meters)  
Variable Conveyor Speed

Dual 24" Flat Panel Monitors  
Custom Paint  
Environmental Kit  
Entry/Exit Roller Tables  
Footmat Operator Interlock  
Mobility Kit  
Roller Bed  
Radiation Meter  
Remote Workstation Configuration  
Sloped Conveyor  
Artificial Intelligence (AI)



CHECKPOINT

DCO#5991 P/N 50-00-PB68-00 Rev. H

**Astrophysics HQ**  
+1.909.598.5488

**Astrophysics – EMEA**  
+961.9.832.500

**Astrophysics – INDIA**  
+91.11.41709990

**Astrophysics – ASIA**  
+63.2.812.0033

[sales@astrophysicsinc.com](mailto:sales@astrophysicsinc.com) | [www.astrophysicsinc.com](http://www.astrophysicsinc.com) | [service@astrophysicsinc.com](mailto:service@astrophysicsinc.com)