

XIS-6545DV™



PRODUCT HIGHLIGHTS

Dual 180kV Generators

High Image Resolution with
24-Bit Color

Enhanced Material Discrimination

Windows Operating System
with Intel® Core™ Processor

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-6545DV™ is an advanced X-Ray Inspection System (XIS) with the most power available for a system with its tunnel size. The dual generators are offset by 90°, providing two upward, diagonal views of scanned objects. Each view can be manipulated independently, with separate image filters. This unique configuration allows operators to inspect bags in depth and gives the system a compact footprint well-suited to confined spaces.

With Astrophysics' best-in-class software, operators are able to utilize colorful, high-contrast filters to identify materials, recognize objects, and isolate threats with better speed and accuracy. The high-quality images enable greater throughput, making the XIS-6545DV an ideal solution for high-volume checkpoints requiring power, reliability, and efficiency.

The Astrophysics XIS-6545DV 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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™

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GENERAL SPECIFICATIONS

Tunnel Size:	65.7 cm x 45.1 cm (WxH) 25.8" x 17.7"
Dimensions: ¹ (LxWxH)	213.3 cm x 101.6 cm x 129.0 cm 83.97" x 40.0" x 50.81"
Net Weight: ¹	800 kg (1760 lbs)
Shipping Weight: ¹	1100 kg (2425 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	69.1 cm (27.2") from Floor
Conveyor Capacity:	165 kg (364 lbs) Evenly Distributed Load

TECHNICAL

Wire Resolution:	41 AWG Typical, 40 AWG Standard
Steel Penetration: ²	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 Shooters

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

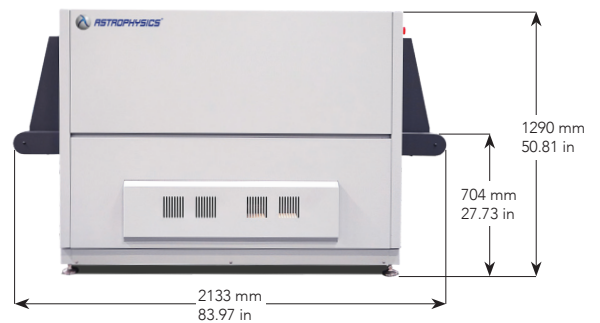
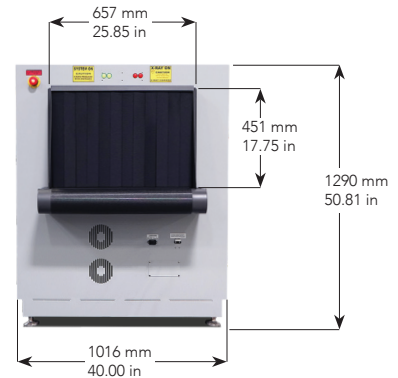
Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
 Typical radiation leakage is less than 0.1 mR/hr
 (Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

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
- 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



ISO 9001: Certified

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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