

XIS-6545[™]



PRODUCT HIGHLIGHTS

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-6545[™] is a cost-effective and reliable X-Ray Inspection System (XIS) built with a narrow frame and large tunnel dimensions that enable it to screen a wide range of bags and parcels at checkpoints with limited space.

With a powerful generator, the XIS-6545 provides crisp, high-resolution images. Combined with Astrophysics' best-in-class software, it allows operators to identify materials, recognize objects, and isolate threats with better speed and accuracy. Its superior image quality enables higher throughput, with less time spent on secondary inspections.

An efficient and high-performance system, the XIS-6545 offers powerful protection against threats from weapons, narcotics, and contraband.

The Astrophysics XIS-6545 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: ¹ (LxWxH)	153.4 cm x 88.8 cm x 130.5 cm 60.4" x 35.0" x 51.4"
Net Weight: ¹	431 kg (950 lbs)
Shipping Weight: ¹	600 kg (1323 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:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	39 mm Typical, 37 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	160kV, Operating at 150kV
Tube Current:	0.7 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward

COMPUTER & VIDEO

Platform:	Windows® OS
Memory:	4 GB RAM
Storage Capacity:	1 TB HDD, 240 GB SSD
Power Conditioner:	Automatic Voltage Regulator (AVR), 600 VA
Display Type:	Single 19" Flat Panel Color Monitor
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, 15 Amp Max 220VAC +/- 10% 50/60Hz, 10 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)

GENERATOR UPGRADE

Upgrade to 180kV Generator
 Penetration:² 41 mm Steel Typical, 39 mm Standard

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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.

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

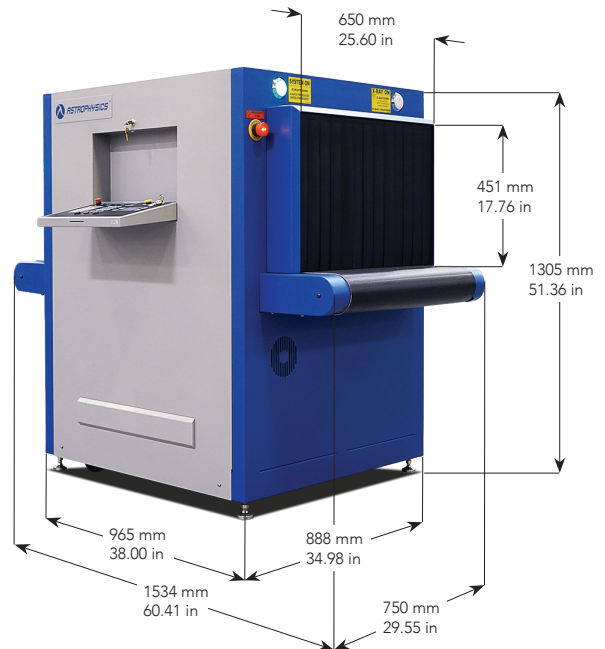
Multi-Tier Accessibility
 Network Ready
 Real-Time Self Diagnostics

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
 Dual Monitors (19" or 24")
 Environmental Kit
 Entry/Exit Roller Tables
 Footmat Operator Interlock
 Heavy Duty Casters
 Mobility Kit
 Radiation Meter
 Remote Workstation Configuration
 Sloped Conveyor
 Uninterruptible Power Supply (UPS)



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