



XIS-6545TM



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-6545TM 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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITYTM

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BIC RABONL2U



GENERAL SPECIFICATIONS

Tunnel Size:	65.0 cm x 45.1 cm (WxH)
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



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

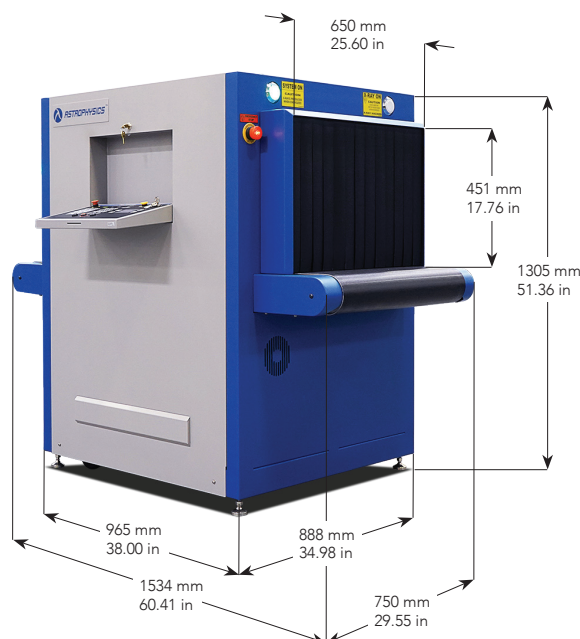
Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

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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