

XIS-6545™



PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

8-Color Imaging

Enhanced Imaging™

Optimum Tunnel Size for
Efficient Bag Scanning

Proven Field Reliability



PRODUCT DESCRIPTION

The XIS-6545™ is a field proven X-Ray Inspection System (XIS) designed with a wide tunnel to accommodate a larger variety of screened objects while minimizing floor space. Ideal for high-volume screening sites, the XIS-6545™ provides high-resolution images enabling operators to identify materials and isolate threats with speed and accuracy. The #1 global manufacturer of critical infrastructure products, Astrophysics is the clear choice.

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 40,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-6545™

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	65.0 cm x 45.1 cm 25.6" x 17.8"
Dimensions: ¹ (LxWxH)	153.4 cm x 87.7 cm x 130.5 cm 60.4" x 34.5" x 51.4"
Shipping Dimensions: ¹ (LxWxH)	165.1 cm x 96.5 cm x 160.0 cm 65.0" x 38.0" x 63.0"
Net Weight: ¹	476 kg (1050 lbs)
Shipping Weight: ¹	522 kg (1150 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:	160kV, Operating at 150kV
Tube Current:	0.7 mA
Wire Resolution: ²	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	39 mm Typical, 37 mm Standard
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® 10 OS
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD
Display Type:	21.5" Flat Panel Monitor
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, 15 Amp Max 220VAC +/- 10% 50/60Hz, 10 Amp Max
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA

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)

180KV GENERATOR UPGRADE

Penetration:² 41 mm Steel Typical, 39 mm Standard

ISO 9001 & ISO 14001 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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact sales@astrophysicsinc.com for the most updated brochures.

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

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

Auto Image Archiving
Image Review
Save Image (RGB)

Baggage Counter

Image Annotation
JPEG Conversion
Print Image Capable

Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

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

OPTIONAL

Artificial Intelligence (AI)
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
Internal/External UPS
Mobility Kit
Roller Bed
Radiation Meter
Remote Workstation Configuration
Sloped Conveyor

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Long Conveyor
8-Color Imaging

XIS-6545N™

Dimensions¹	153.4 cm x 83.7 cm x 130.5 cm (LxWxH)
Shipping Dimensions¹	165.1 cm x 96.5 cm x 160.0 cm (LxWxH)
Net Weight¹	476 kg (1050 lbs)



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CHECKPOINT

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