

# XIS-100XDX™



## PRODUCT HIGHLIGHTS

Dual 180kV Generators with Detachable Side Shooter

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-100XDX™ is a dual-view X-Ray Inspection System (XIS) designed for screening heavy baggage at airports and cargo facilities. It is equipped with a low conveyor 30 cm (12.0") above the ground, convenient for loading and unloading freight.

For high penetration and image resolution, the XIS-100XDX is equipped with dual generators that provide operators with two separate views of scanned objects, from the top and from the side. Each view can be manipulated independently, making it easy to perform reliable and conclusive inspections. The side shooter is detachable, for easy relocation.

Combined with Astrophysics' best-in-class software, the XIS-100XDX recognizes objects, identifies materials, and isolates threats with greater speed and accuracy.

The Astrophysics XIS-100XDX 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:	100.0 cm x 100.0 cm
(WxH)	39.4" x 39.4"
Dimensions: <sup>1</sup>	313.8 cm x 183.2 cm x 188.6 cm
(LxWxH)	123.5" x 72.1" x 74.2"
Net Weight: <sup>1</sup>	1605 kg (3540 lbs)
Shipping Weight: <sup>1</sup>	1845 kg (4060 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	30.0 cm (12.0") from Floor
Conveyor Capacity:	200 kg (441 lbs) Evenly Distributed Load

**TECHNICAL**

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	37 mm Typical, 35 mm Standard

**X-RAY GENERATOR & IMAGE PERFORMANCE**

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.0 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction - View 1:	Diagonally Downward
Beam Direction - View 2:	Horizontally Sideward

**COMPUTER & VIDEO**

Platform:	Windows® OS
Backup:	Uninterrupted Power Supply (UPS) (Computer Operation)
Display Type:	Dual 24" Flat Panel Color Monitors
Display Resolution:	1600 x 1200; 24 Bit/Pixel Color

**ENVIRONMENTAL**

Operating Temperature:	0°C to 40°C / 32F to 104F
Storage Temperature:	-20°C to 60°C / -4°F to 140°F
Humidity:	Up to 95% Non-Condensing

**ELECTRICAL**

System Power:	110VAC +/- 10% 50/60Hz, 20 Amp Max
	220 VAC +/- 10% 50/60Hz, 15 Amp Max

**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)



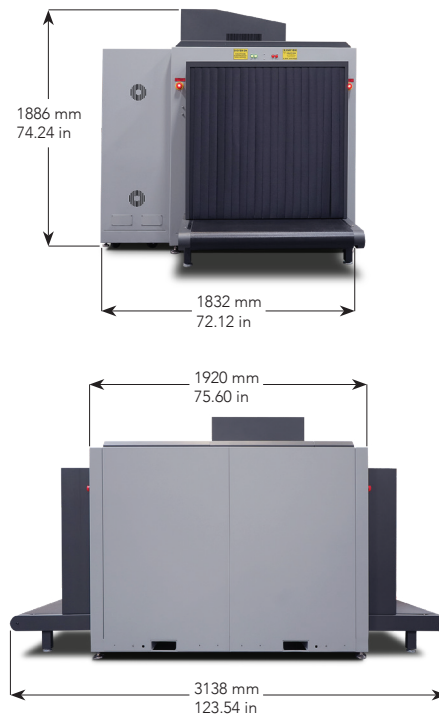
ISO 9001: Certified

**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 FEATURES<sup>3</sup>**

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- Custom Paint
- Entry/Exit Roller Tables
- Environmental Kit
- Footmat Operator Interlock
- Heavy Duty Casters
- Mobility Kit
- Radiation Meter
- Remote Workstation Configuration



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<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 research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.