



# XIS-100X™



## 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-100X™ is a powerful X-Ray Inspection System (XIS) designed for screening oversized luggage, large parcels, and small cargo at airports, customs facilities, and high-security checkpoints. To optimize checkpoint performance, it is equipped with a powerful generator that produces crisp, high-resolution images that enable detailed inspections of complex bags and tightly-packed crates. Combined with Astrophysics' best-in-class software, the XIS-100X allows operators to recognize objects, identify materials, and isolate threats with better speed and accuracy.

Its greater image quality and processing power keeps bags moving quickly through the system without any loss of clarity, making it the ideal solution for airlines, freight forwarders, and parcel service companies that require efficient, high-security screening.

The Astrophysics XIS-100X 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:	100.3 cm x 101.1 cm (WxH)
Dimensions: <sup>1</sup> (LxWxH)	280.3 cm x 137.2 cm x 188.9 cm 110.4" x 54.0" x 74.4"
Net Weight: <sup>1</sup>	980 kg (2165 lbs)
Shipping Weight: <sup>1</sup>	1300 kg (2860 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	70.6 cm (27.8") 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>	39 mm Typical, 37 mm Standard

## X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 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
Backup:	Uninterrupted 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:	110VAC +/- 10% 50/60Hz, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
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## HEALTH & SAFETY

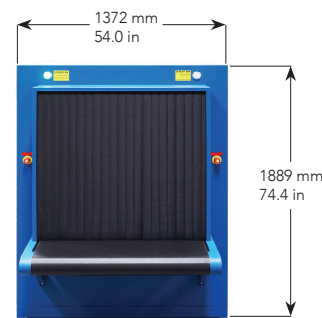
Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)  
Typical radiation leakage is less than 0.1 mR/hr  
(Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

## 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  
  
24" Flat Panel Monitor  
Custom Paint  
Entry/Exit Roller Tables  
Environmental Kit  
  
Footmat Operator Interlock  
Heavy Duty Casters  
  
Mobility Kit  
Radiation Meter  
Remote Workstation Configuration



ISO 9001: Certified

<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.

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