

# XIS-100XD™



## PRODUCT HIGHLIGHTS

Enhanced Material  
Discrimination

Artificial  
Intelligence  
(AI) Capable

High Resolution  
Image with 24-Bit  
Color

Enhanced  
Imaging™ (EI)

Real-Time  
Diagnostics

Repositioned  
Generator for  
Minimal Footprint

Windows 10  
Operating System with  
Intel® Core™ Processor

## PRODUCT DESCRIPTION

The XIS-100XD™ is a compact X-ray Inspection System (XIS) designed for screening large baggage and heavy cargo. Reconfigured with a symmetrical downshooter, the system generates crisp, detailed images. Its unique design gives it a slim operational profile and allows for a low conveyor only 30 cm (12") above the ground, to speed the loading and unloading of freight.

## 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 35,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

**TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™**

# Technical Data XIS-100XD™

# ISO 9001 & ISO 14001: Certified

## GENERAL SPECIFICATIONS

Tunnel Size:	100.9 cm x 100.0 cm
(WxH)	39.7" x 39.4"
Dimensions: <sup>1</sup>	236.7 cm x 127.5 cm x 190.9 cm
(LxWxH)	93.2" x 50.2" x 75.2"
Net Weight: <sup>1</sup>	850 kg (1874 lbs)
Shipping Weight: <sup>1</sup>	1080 kg (2380 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	30.0 cm (12.0") from Floor
Conveyor Capacity:	220 kg (485 lbs) Evenly Distributed Load

## X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	37 mm Typical, 35 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Vertically Downward

## COMPUTER & VIDEO

Platform:	Windows® 10 OS
Power Conditioner:	Automatic Voltage Regulator (AVR)
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 / 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

## 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

3 & 6 Color Imaging  
 Black/White Imaging  
 High Penetration Function  
 Enhanced Imaging™ (EI)  
 Organic/Inorganic Imaging  
 Pseudo Color  
 Real-Time Image Manipulation  
 Reverse Monochrome

Atomic Z-Number Measurement  
 Geometric Image Distortion Correction  
 Material Discrimination

Auto Image Archiving  
 Image Review  
 Save Image (RGB)

Baggage Counter  
 Image Annotation  
 JPEG Conversion  
 Multi-Tier Accessibility  
 Network Ready  
 Print Image Capable  
 Real-Time Self Diagnostics

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

## OPTIONAL FEATURES<sup>3</sup>

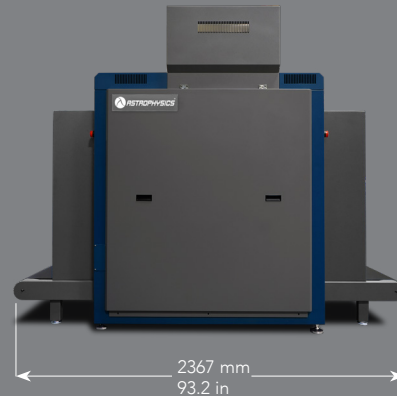
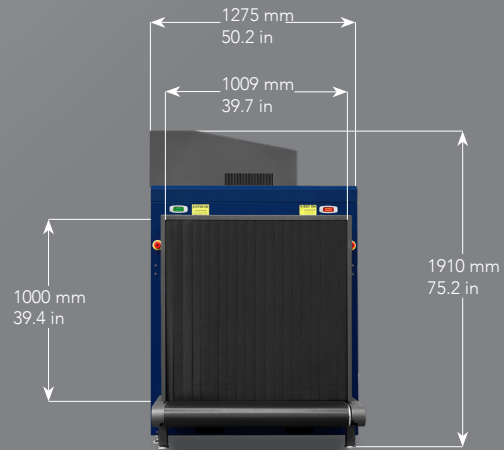
Artificial Intelligence (AI)  
 Barcode Scanning  
 Density Alert  
 Local Language  
 Safe Passage™ Computer Based Training  
 Screener Assist Software  
 Test Case  
 Threat Image Projection (TIP) Software

Conveyor Capacity Load Increase  
 External USB Ports  
 Variable Conveyor Speed

Footmat Operator Interlock  
 Roller Bed

Internal/External UPS  
 Mobility Kit  
 Radiation Meter  
 Remote Workstation Configuration

24" Flat Panel Monitor  
 Custom Paint  
 Entry/Exit Roller Tables  
 Environmental Kit



<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. Contact [sales@astrophysicsinc.com](mailto:sales@astrophysicsinc.com) for the most updated brochures.

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