

# XIS-1080D™



## PRODUCT HIGHLIGHTS

Small Footprint

High Image Resolution with  
24-Bit Color

Enhance Material Discrimination

Windows Operating System  
with Intel® Core™ Processor

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-1080D™ is a compact X-Ray Inspection System (XIS) designed for screening heavy baggage. Capable of supporting up to 200 kg (440 lbs.), it features a low conveyor only 30 cm (12.0") above the floor, convenient for loading and unloading.

Its powerful generator provides crisp, high-resolution images that make it easy to perform thorough examinations of dense, tightly-packed bags and parcels. Combined with Astrophysics' best-in-class software, the XIS-1080D allows operators to recognize objects, identify materials, and isolate threats with better speed and accuracy.

Its small footprint, greater image quality, and higher throughput make the XIS-1080D an ideal solution for airports, cargo facilities, and critical sites that require high-level security inspections in areas with limited space in order to protect against threats from weapons, explosives, and contraband.

The Astrophysics XIS-1080D 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:	101.0 cm x 80.0 cm (WxH) 40.0" x 31.4"
Dimensions: <sup>1</sup> (LxWxH)	239.2 cm x 127.5 cm x 170.1 cm 94.16" x 50.1" x 66.9"
Net Weight: <sup>1</sup>	810 kg (1785 lbs)
Shipping Weight: <sup>1</sup>	1105 kg (2435 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:	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:	Vertically Downward
Detector:	2176 Channels in an L-Shaped Array

**COMPUTER & VIDEO**

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

**ENVIRONMENTAL**

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

**ELECTRICAL**

System Power:	110VAC +/- 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)



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.

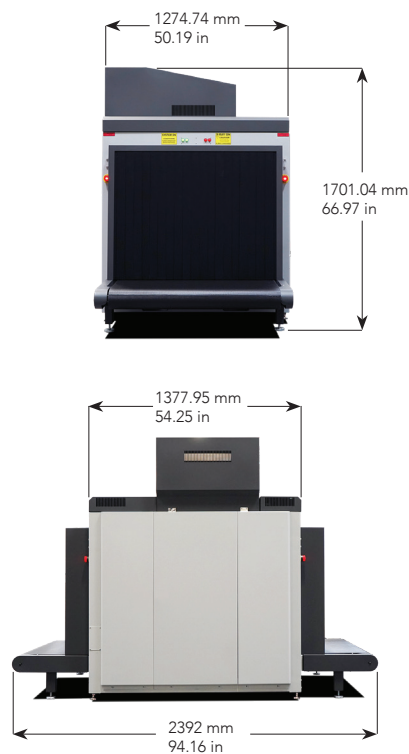
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

**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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