

# XIS-1080D™



## PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

Enhanced Imaging™ (EI)

Windows® Operating System with  
Intel® Core™ Processor

Easy Loading of Heavy Cargo

Real-Time Diagnostics



## PRODUCT DESCRIPTION

The XIS-1080D™ is a compact X-ray Inspection System (XIS) designed to scan heavy and large baggage. Its top mounted generator minimizes floor space and allows a conveyor height 30cm (12.0") from the floor, enabling easy loading and unloading of heavy objects. Combined with Astrophysics best-in-class software, the XIS-1080D™ is the solution for compact high-throughput baggage and package scanning.

## 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.

# XIS-1080D™

## GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	101.6 cm x 79.8 cm 40.0" x 31.4"
Dimensions: <sup>1</sup> (LxWxH)	239.2 cm x 127.5 cm x 170.1 cm 94.2" x 50.2" x 67.0"
Shipping Dimensions: <sup>1</sup> (LxWxH)	228.6 cm x 144.8 cm x 223.5 cm 90.0" x 57.0" x 88.0"
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:	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
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200
Memory:	8 GM RAM
Storage Capacity:	256 GB SSD

## 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 220VAC +/- 10% 50/60Hz, 10 Amp Max
Power Conditioner:	Automatic Voltage Regulator (AVR)

## 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 & ISO 14001 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 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.

## FEATURES

### STANDARD

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

Atomic Z-Number Measurement  
Geometric Image Distortion Correction  
Material Discrimination  
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

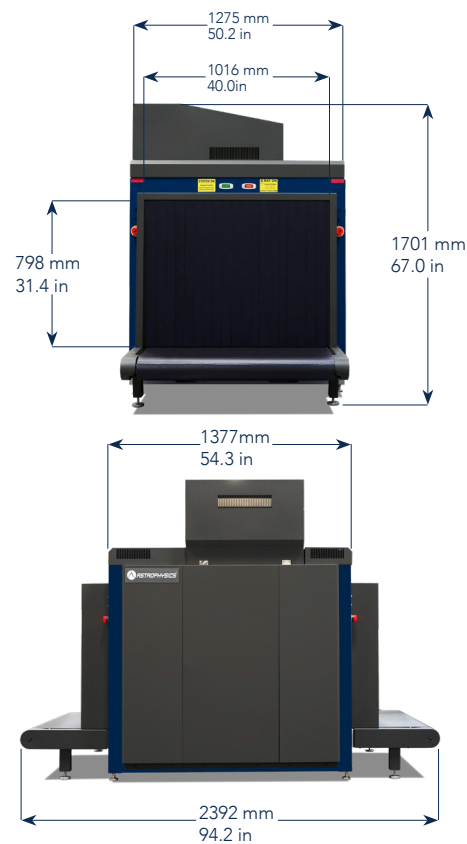
Central Management System  
Integration  
Multiplexing

Conveyor Capacity Load Increase  
External USB Ports  
Variable Conveyor Speed

Custom Paint  
Entry/Exit Roller Tables  
Environmental Kit

Footmat Operator Interlock

Internal/External UPS  
Radiation Meter  
Remote Workstation Configuration



HOLD BAGGAGE

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