ASTROPHYSICS®

XIS-1080D™

PRODUCT HIGHLIGHTS

- Artificial Intelligence (AI)
- Enhanced Imaging™
- Windows® Operating System with Intel® Core™ Processor
- Easy Loading of Heavy Cargo
- Real-Time Diagnostics

STAC CERTIFIED

ENAC CERTIFIED

DESIGNED IN THE USA MADE IN NORTH AMERICA

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 45,000 systems deployed in more than 180 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1080D™

HOLD BAGGAGE

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	101.6 cm x 80.0 cm 40.0" x 31.5"
Dimensions:[1] (LxWxH)	242.2 cm x 127.5 cm x 171.4 cm 94.5" x 50.2" x 67.5"
Shipping Dimensions:[1] (LxWxH)	228.6 cm x 145.5 cm x 223.5 cm 90.0" x 57.3" x 88.0"
Net Weight:[1]	912 kg (2010 lbs)
Shipping Weight:[1]	1043 kg (2300 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:[2]	40 AWG Typical, 38 AWG Standard
Steel Penetration:[2]	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® OS
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200
Memory:	8 GB 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)

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™
High Penetration Function
Hold to Preview Imaging Functions
Inverse Color
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

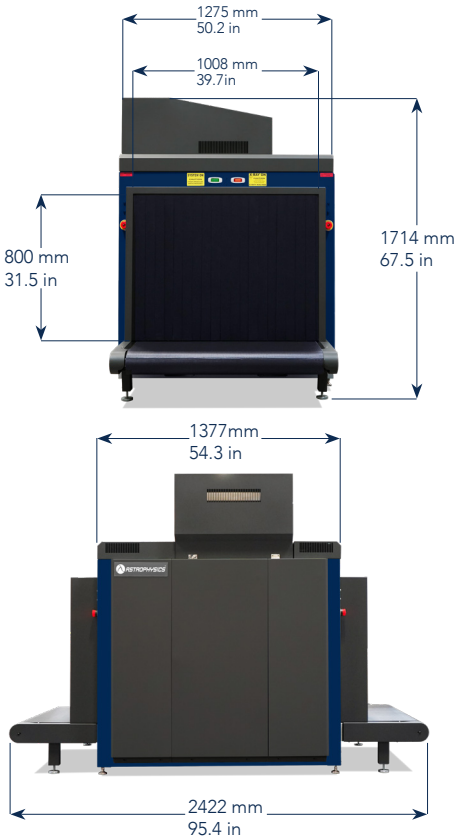
Central Management System Integration
Multiplexing

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



ISO 9001 & ISO 14001 CERTIFIED

[1]Weight and dimensions of the system may vary depending on customization.
[2]As tested on Astrophysics Inc. Test Piece.
[3]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** for the most updated brochures.

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Astrophysics HQ +1.909.598.5488 | **Astrophysics – EMEA** +961.9.832.500 | **Astrophysics – INDIA** +91.11.41709990 | **Astrophysics – ASIA** +63.2.812.0033

sales@astrophysicsinc.com | **www.astrophysicsinc.com** | service@astrophysicsinc.com