

XIS-1080™



PRODUCT HIGHLIGHTS

Enhanced Material Discrimination

High Image Resolution with
24-Bit Color

Real-Time Diagnostics

Picture Perfect Image Analysis

Windows Operating System
with Intel® Core™ Processor

The XIS-1080™ is a mid-size X-Ray Inspection System (XIS) with a heavy conveyor belt capable of supporting up to 200 kg (440 lbs.). Designed for screening luggage and oversized baggage at airports and transport facilities, it is equipped with a powerful generator that provides crisp, high-resolution images that makes it easy to perform detailed inspections of dense, tightly-packed baggage and cargo.

Combined with Astrophysics' best-in-class software, the XIS-1080 allows operators to identify materials, recognize objects, and isolate threats with greater speed and accuracy. Its superior image quality, advanced software, and high throughput make the XIS-1080 an ideal solution for high-volume checkpoints that require powerful protection from weapons, explosives, and contraband.

The Astrophysics XIS-1080 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:	100 cm x 80 cm (WxH) 39.4" x 31.5"
Dimensions: ¹ (LxWxH)	260 cm x 137.2 cm x 168.9 cm 102.4" x 54.0" x 66.5"
Net Weight: ¹	900 kg (1980 lbs)
Shipping Weight: ¹	1240 kg (2730 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: ²	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
Detector:	2176 Channels in an L-Shaped Array

COMPUTER & VIDEO

Platform:	Windows® OS
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA
Display Type:	Dual 19" Flat Panel Color Monitors
Display Resolution:	1280 x 1024; 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

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 FEATURES³

- 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
- Sloped Conveyor
- Mobility Kit
- Radiation Meter
- Remote Workstation Configuration
- Uninterrupted Power Supply (UPS)



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¹Weight and dimensions of the system may vary depending on customization.

²As tested on Astrophysics Inc. Test Piece.

³Optional 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.