ASTROPHYSICS®

XIS-1080™

PRODUCT HIGHLIGHTS

- Artificial Intelligence (AI)
- Enhanced Imaging™
- Windows® Operating System with Intel® Core™ Processor
- Reinforced Conveyor
- Real-Time Diagnostics

STAC CERTIFIED

DESIGNED IN THE USA
MADE IN NORTH AMERICA

PRODUCT DESCRIPTION

The XIS-1080™ is a mid-size X-Ray Inspection System (XIS) with a heavy duty conveyor belt capable of supporting up to 200 kg (441 lbs.). Designed for screening luggage and oversized baggage at airports and transport facilities, it is equipped with a powerful 180kV generator for heightened inspections of dense, tightly-packed baggage and cargo.

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-1080™

HOLD BAGGAGE

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	100.1 cm x 80.0 cm 39.4" x 31.5"
Dimensions:[1] (LxWxH)	260.0 cm x 137.2 cm x 168.9 cm 102.4" x 54.0" x 66.5"
Shipping Dimensions:[1] (LxWxH)A	297.2 cm x 149.9 cm x 223.5 cm 117" x 59" x 88"
Net Weight:[1]	726 kg (1600 lbs)
Shipping Weight:[1]	871kg (1920 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	70.6 cm (27.8") 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]	39 mm Typical, 37 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward

COMPUTER & VIDEO

Platform:	Windows® OS
Display Type:	Dual 21.5" Flat Panel Monitors
Display Resolution:	1920 x 1080
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD

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
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA

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
Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

Image Annotation
JPEG Conversion
Print Image Capable

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

Footmat Operator Interlock
Sloped Conveyor

Internal/External UPS
Radiation Meter
Remote Workstation Configuration

Dual 24" Flat Panel Monitors
Custom Paint
Entry/Exit Roller Tables
Environmental Kit
8-Color Imaging

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.

DCO#3991 P/N 50-00-PB16-00 Rev. O

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