

XIS-100XDX

PRODUCT HIGHLIGHTS

Dual-View X-Ray Generators with Detachable Modular Design

Windows® Operating System with Intel® Core™ Processor

Repositioned Generator and Low Conveyor Height

Artificial Intelligence (AI)

Enhanced Imaging™











PRODUCT DESCRIPTION

ABOUT ASTROPHYSICS

The XIS-100XDX[™] is a dual-view X-Ray Inspection System (XIS) designed for screening heavy baggage at airports and cargo facilities. It is equipped with a top-mounted generator with a low conveyor just 30 cm (12.0″) off the ground, making it ideal for loading and unloading heavy objects and freight. With a detachable, side-mounted generator module, the system is designed for simplified installation.

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.

P/N 50-00-PB51-00 Rev.

XIS-100XDX[™]

GENERAL SPECIFICATIONS

Tunnel Size: 100.9 cm x 100.1 cm

(WxH) 39.7" x 39.4"

Dimensions:1 313.8 cm x 183.2 cm x 188.6 cm

(LxWxH) 123.5" x 72.1" x 74.2"

313.69 cm x 183.13 cm x 188.90 cm **Uncrated Shipping**

123.5" x 72.1" x 74.4" Dimensions:1 (LxWxH)

231.14 cm x 194.31 cm x 224.8 cm Crated Shipping

Dimensions:1 (LxWxH) 91.0" x 76.5" x 88.5" Net Weight:1 1605 kg (3540 lbs) Shipping Weight:1 1845 kg (4060 lbs)

Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse

Conveyor Height: 30 cm (12") from Floor

Conveyor Capacity: 220 kg (485 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Dual 180kV, Operating at 165kV Voltage:

Dual 1.0 mA Tube Current:

Wire Resolution:2 40 AWG Typical, 38 AWG Standard 37 mm Typical, 35 mm Standard Steel Penetration:²

Cooling: Sealed Di-Electric Oil Bath with Forced Air 100%, No Warm-Up Procedure Required **Duty Cycle:** Beam Direction: Diagonally Downward, Horizontally Sideward

COMPUTER & VIDEO

Windows® OS Platform:

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 Up to 95% Non-Condensing Humidity:

ELECTRICAL

System Power: 110VAC +/- 10% 50/60Hz, 20 Amp Max

220 VAC +/- 10% 50/60Hz, 15 Amp Max

Power Conditioner: Uninterrupted Power Supply (UPS)

(Computer Operation)

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 Multi-Tier Accessibility Network Ready Print Image Capable Real-Time Self Diagnostics

9 Quadrant Zoom Continuous Scanning Continuous Zoom Up to 64x Vertical Zoom Panning

OPTIONAL

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

Custom Paint Entry/Exit Roller Tables Environmental Kit Footmat Operator Interlock Roller Bed

Radiation Meter

Remote Workstation Configuration

External USB Ports

Conveyor Capacity Load Increases Variable Conveyor Speed

1832 mm 1010 mm 39.7 in 1886 mm 74.2 in 997 mm 39.3 in System Width with Side Generator Cabinet Removed 1320.8 mm 1920 mm 75.6 in 3138 mm 123.5 in

ISO 9001 & ISO 14001 CERTIFIED









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

²As tested on Astrophysics Inc. Test Piece.

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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