

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

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.

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-100XDX™

GENERAL SPECIFICATIONS

Tunnel Size:	100.9 cm x 100.1 cm (WxH)
Dimensions: ¹ (LxWxH)	313.8 cm x 183.2 cm x 188.6 cm 123.5" x 72.1" x 74.2"
Uncrated Shipping Dimensions: ¹ (LxWxH)	313.69 cm x 183.13 cm x 188.90 cm 123.5" x 72.1" x 74.4"
Crated Shipping Dimensions: ¹ (LxWxH)	231.14 cm x 194.31 cm x 224.8 cm 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

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.0 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:	Diagonally Downward, Horizontally Sideward

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, 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)

ISO 9001 & ISO 14001 CERTIFIED



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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact sales@astrophysicsinc.com for the most updated brochures.

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

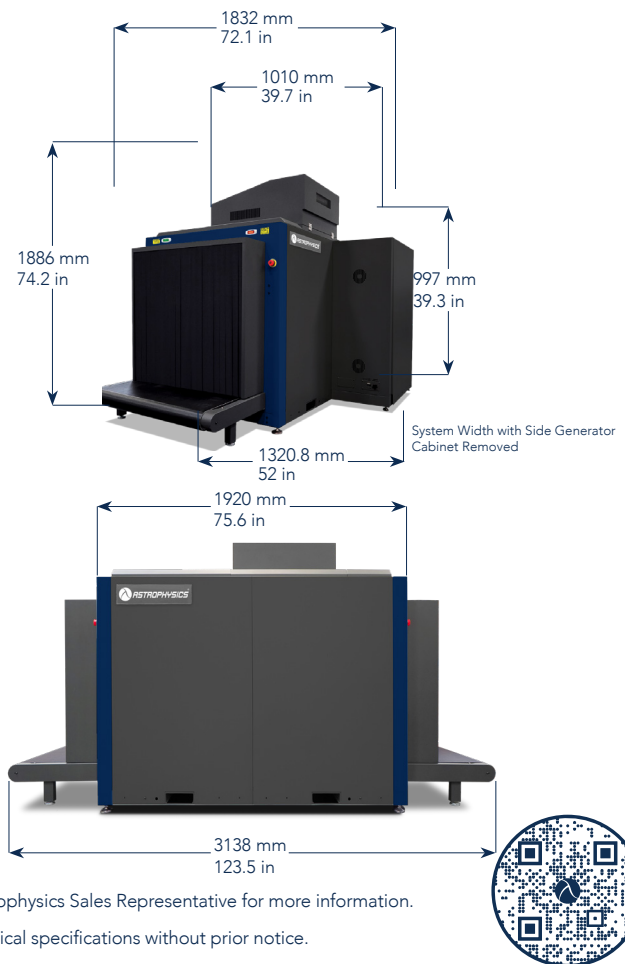
Barcode Scanning
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

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



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