

XIS-100XD™



PRODUCT HIGHLIGHTS

Repositioned Generator and Low Conveyor

Slim Profile Maintains Minimal Footprint

Windows® Operating System with
Intel® Core™ Processor

Artificial Intelligence (AI)

Enhanced Imaging™ (EI)



PRODUCT DESCRIPTION

The XIS-100XD™ is a compact X-ray Inspection System (XIS) designed for screening large baggage and heavy cargo. Reconfigured with a symmetrical downshooter generator, the XIS-100XD™ features a low conveyor height of only 30 cm (12") above the ground, to speed the loading and unloading of freight. Its unique design provides a slim operational profile and generates crisp, detailed images.

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 35,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-100XD™

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	100.9 cm x 100.0 cm 39.7" x 39.4"
Dimensions: ¹ (LxWxH)	236.7 cm x 127.5 cm x 190.9 cm 93.2" x 50.2" x 75.2"
Shipping Dimensions: ¹ (LxWxH)	297.2 cm x 144.8 cm x 223.5 cm 90.0" x 57.0" x 88.0"
Net Weight: ¹	850 kg (1874 lbs)
Shipping Weight: ¹	1080 kg (2380 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:	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® 10 OS
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200
Memory:	8 GM 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 220 VAC +/- 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
High Penetration Function
Enhanced Imaging™ (EI)
Organic/Inorganic Imaging
Pseudo Color
Real-Time Image Manipulation
Reverse Monochrome

Atomic Z-Number Measurement
Geometric Image Distortion Correction
Material Discrimination

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

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

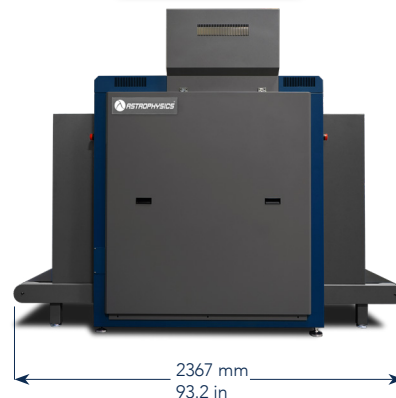
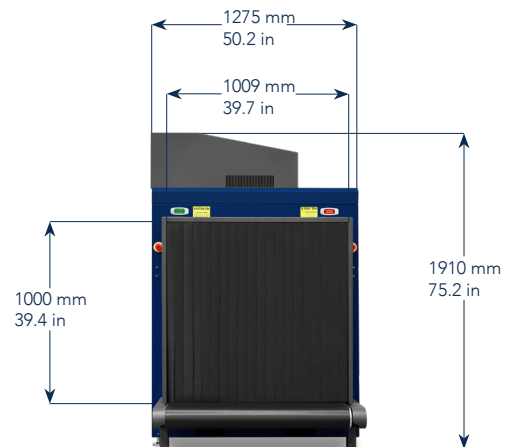
Central Management System
Integration
Multiplexing

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Footmat Operator Interlock
Roller Bed

Internal/External UPS
Mobility Kit
Radiation Meter
Remote Workstation Configuration

Custom Paint
Entry/Exit Roller Tables
Environmental Kit



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.

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