ASTROPHYSICS®

XIS-100XDV™

PRODUCT HIGHLIGHTS

- Dual-View X-Ray Generators with Detachable Side Shooter
- High Image Resolution with 24-Bit Color
- Enhanced Material Discrimination
- Windows Operating System with Intel® Core™ Processor
- Real-Time Diagnostics
- Picture Perfect Image Analysis

The XIS-100XDV™ is a dual-view X-Ray Inspection System (XIS) designed for screening baggage and large parcels at high-security locations. The two generators provide operators with a side and bottom view of scanned objects. Each view can be manipulated independently on separate screens, allowing operators to inspect objects in different imaging modes at the same time.

With its detachable side shooter – a one-of-a-kind innovation – the system is designed for easy relocation and can be reassembled in an hour.

Equipped with Astrophysics best-in-class software, the system offers enhanced screening tools to help operators separate materials and identify threats in less time and with greater accuracy. The system's superior image quality enables higher throughput, making the XIS-100XDV an ideal solution at sites responsible for processing high-volumes of bags and cargo.

The Astrophysics XIS-100XDV 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.

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Technical Data **XIS-100XDV™**

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	100.3 cm x 100.1 cm 39.5" x 39.43"
Dimensions:[1] (LxWxH)	303.1 cm x 176.6 cm x 197.8 cm 119.4" x 69.5" x 77.87"
Net Weight:[1]	1435 kg (3165 lbs)
Shipping Weight:[1]	1600 kg (3525 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	76.8 cm (30.2") 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:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.2 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward, Horizontally Sideward

COMPUTER & VIDEO

Platform:	Windows® OS
Backup:	Uninterrupted Power Supply (UPS) (Computer Operation)
Display Type:	Dual 19" Flat Panel Color Monitors
Display Resolution:	1280 x 1024; 24 Bit/Pixel Color

ENVIRONMENTAL

Operating Temperature:	0°C to 40°C / 32F to 104F
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

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)

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

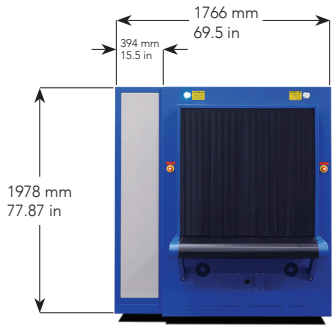
OPTIONAL FEATURES[3]

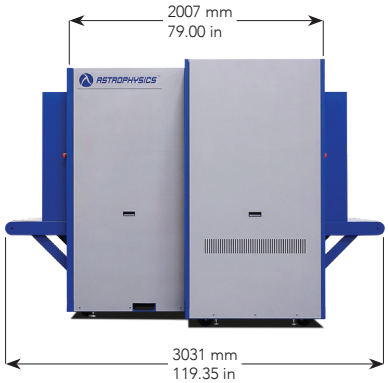
Barcode Scanning
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

Custom Paint
Entry/Exit Roller Tables
Environmental Kit
Sloped Conveyor

Footmat Operator Interlock
Heavy Duty Casters

Radiation Meter
Remote Workstation Configuration





ISO 9001: 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 research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

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