



XIS-100XDV™



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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.

GENERAL SPECIFICATIONS

Tunnel Size:	100.3 cm x 100.1 cm
(WxH)	39.5" x 39.43"
Dimensions: ¹	303.1 cm x 176.6 cm x 197.8 cm
(LxWxH)	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

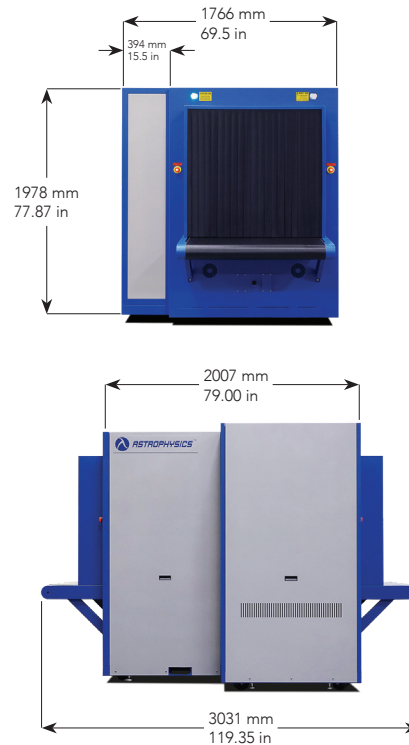
Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
 Typical radiation leakage is less than 0.1 mR/hr
 (Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

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 FEATURES³

- 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



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

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