

320kV XIS-1818DV™



PRODUCT HIGHLIGHTS

Dual 320kV Generators

80 mm Steel Penetration

Enhanced Material Discrimination

Picture Perfect Image Analysis

40 AWG Wire Resolution

Real-Time Diagnostics

The XIS-1818DV 320kV™ is a powerful X-Ray Inspection System (XIS) designed for screening heavy cargo at airports, customs centers, transit hubs, and freight facilities. Its powerful generators provide the highest degree of steel penetration and image resolution of any cargo system its size. For higher throughput, its roller bed conveyor is only 38.1 cm (15") above the ground, convenient for loading and unloading freight.

The dual 320kV generators provide operators with two views of scanned objects, from the top and from the side. Each view can be manipulated independently, ensuring reliable and detailed inspections of dense, tightly-packed cargo. Combined with Astrophysics' best-in-class software, the XIS-1818DV 320kV recognizes objects, identifies materials, and isolates threats with greater speed and accuracy.

The Astrophysics XIS-1818DV 320kV 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: (WxH)	181.1 cm x 180.5 cm 71.3" x 71.1"
Dimensions: ¹ (LxWxH)	1069.4 cm x 310.5 cm x 314.3 cm 421" x 122.3" x 123.7"
Net Weight: ¹	16000 kg (35275 lbs)
Shipping Weight: ¹	20000 kg (44095 lbs)
Roller Bed Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Roller Bed Height:	38.1 cm (15") from Floor
Roller Bed Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	80 mm Typical, 75 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 320kV Generators
Tube Current:	Dual 7.0 mA
Cooling:	Integrated Cooler Unit with Forced Air
Beam Direction:	Horizontally Sideward, Vertically Downward
Detector:	4992 Channels in an L-Shaped Array

COMPUTER & VIDEO

Platform:	Windows® OS
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Display Type:	Dual 24" Flat Panel Color Monitors
Display Resolution:	1600 x 1200; 24 Bit/Pixel Color

ENVIRONMENTAL

Operating Temperature:	0°C - 40°C \ 32°F - 104°F
Storage Temperature:	-20°C - 60°C \ -4°F - 140°F
Humidity:	Up To 95% Non-Condensing

ELECTRICAL

System Power:	220VAC +/- 10%, 50/60Hz, 100 Amp Min.
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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)



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.

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
- Manual Bitmap Archive

- Image Annotation
- Print Image Capable

- Multi-Tier Accessibility
- Network Ready
- Real-Time Self Diagnostics

- Baggage Counter

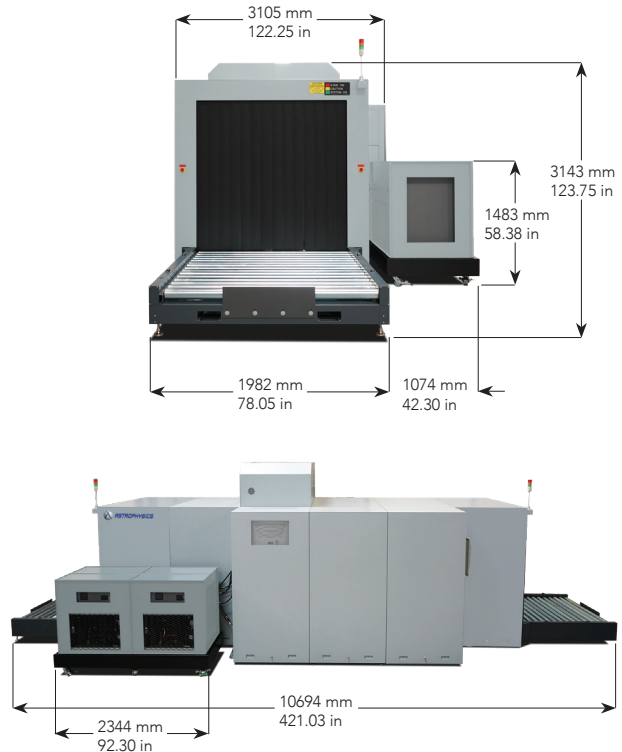
OPTIONAL FEATURES³

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

- Environmental Kit
- Custom Paint
- Entry/Exit Roller Tables

- Footmat Operator Interlock

- Radiation Meter
- Remote Workstation Configuration



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