

200kV
™
XIS-1818



PRODUCT HIGHLIGHTS

200kV Generator

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-1818 200kV™ is a high-capacity X-Ray Inspection System (XIS) designed for screening heavy cargo at airports, seaports, and transportation facilities. It features a heavy roller bed and a low conveyor 38 cm (15") from the ground, convenient for loading and unloading freight.

With a powerful 200kV generator, the XIS-1818 200kV offers high penetration and image resolution. Combined with Astrophysics' best-in-class software, it allows operators to recognize objects, identify materials, and isolate threats with better speed and accuracy.

Its greater image quality enables higher throughput, making the XIS-1818 200kV an ideal solution for cargo and logistics facilities that require high-level protection from weapons, explosives, and contraband.

The Astrophysics XIS-1818 200kV 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:	180.4 cm x 180.4 cm (WxH) 71.0" x 71.0"
Dimensions: ¹ (LxWxH)	731.2 cm x 289.6 cm x 285.3 cm 287.9" x 114.0" x 92.62"
Net Weight: ¹	4450 kg (9811 lbs)
Shipping Weight: ¹	4806 kg (10595.4 lbs)
Roller Bed Speed:	10 cm/s (20 ft or 6m/min) Forward or Reverse
Roller Bed Height:	38.6 cm (15.2") from Floor
Roller Bed Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	52 mm Typical, 50 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	200kV
Tube Current:	1.0 mA
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward

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:	110VAC +/- 10%, 50/60Hz, 20 Amp Max 220VAC +/- 10%, 50/60Hz, 15 Amp Max
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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)



ISO 9001: 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 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

- 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

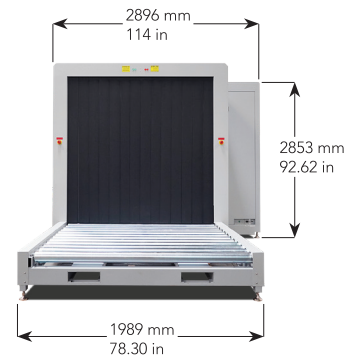
OPTIONAL FEATURES³

- 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

- Long Conveyor
- Footmat Operator Interlock

- Mobility Kit
- Radiation Meter
- Remote Workstation Configuration



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