

200kV XIS-1517[™]



PRODUCT HIGHLIGHTS

200kV Generator

Increased Steel penetration

High Image Resolution

Enhanced Material Discrimination

Picture Perfect Image Analysis

Real-Time Diagnostics

The XIS-1517 200kV[™] is an X-Ray Inspection System (XIS) designed for screening cargo at airports, logistics centers, and military bases. The system is equipped with a powerful 200kV generator capable of penetrating over 50 mm of steel for high-quality imaging beyond competing machines with its tunnel size. To ensure higher throughput, the XIS-1517 200kV features a heavy roller bed 38.3 cm (15.0") above the ground, convenient for loading and unloading freight.

With Astrophysics best-in-class software, the XIS-1517 200kV allows operators to recognize objects, identify materials, and isolate threats with greater speed and accuracy. Its superior imaging technology makes it the ideal solution for high-volume sites that require power and precision to protect against threats from weapons, explosives, and contraband.

The XIS-1517 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:	150.0 cm x 170.2 cm (WxH) 59.0" x 67.0"
Dimensions: ¹ (LxWxH)	731.2 cm x 259.1 cm x 225.1 cm 287.9" x 102.0" x 88.7"
Net Weight: ¹	3500 kg (7716 lbs)
Shipping Weight: ¹	4500 kg (10031 lbs)
Conveyor Speed:	10 cm/s (20 ft or 6m/min) Forward or Reverse
Conveyor Height:	38.3 cm (15.0") from Floor
Conveyor Capacity:	2000 kg (4409 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
Detector:	2176 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 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, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 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)



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
- 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

- Conveyor Capacity 3000kg (6614lbs)
Evenly Distributed Load
- Conveyor Speed 20cm/s
- Footmat Operator Interlock

- Radiation Meter
- Remote Workstation Configuration



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