



# 200kV





# **PRODUCT HIGHLIGHTS**

200kV Generator

Increased Steel penetration

High Image Resolution

**Enhanced Material Discrimination** 

Picture Perfect Image Analysis

Real-Time Diagnostics

The XIS-1517 200kV<sup>™</sup> 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 highquality 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**

150.0 cm x 170.2 cm Tunnel Size: (WxH) 59.0" x 67.0"

Dimensions:1 731.2 cm x 259.1 cm x 225.1 cm

287.9" x 102.0" x 88.7" (LxWxH) Net Weight:1 3500 kg (7716 lbs) 4500 kg (10031 lbs) Shipping Weight:1 Conveyor Speed: 10 cm/s (20 ft or 6m/min) Forward or Reverse

38.3 cm (15.0") from Floor

Conveyor Capacity: 2000 kg (4409 lbs) Evenly Distributed Load

**TECHNICAL** 

Conveyor Height:

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**

Windows® OS Platform:

Uninterruptible Power Supply (UPS) Backup:

(Computer Operation)

Display Type: Dual 24" Flat Panel Color Monitors Display Resolution: 1600 x 1200; 24 Bit/Pixel Color

### **ENVIRONMENTAL**

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

### **ELECTRICAL**

110VAC +/- 10% 50/60Hz, 15 Amp Max System Power:

220 VAC +/- 10% 50/60Hz, 10 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**<sup>3</sup>

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

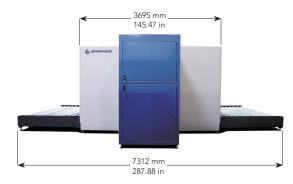
Conveyor Capacity 3000kg (6614lbs)

Evenly Distributed Load Conveyor Speed 20cm/s Footmat Operator Interlock

Radiation Meter

Remote Workstation Configuration











ISO 9001: Certified

Weight and dimensions of the system may vary depending on customization. <sup>2</sup>As tested on Astrophysics Inc. Test Piece.

<sup>3</sup>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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