



320kV
XIS-1517DV™



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PRODUCT HIGHLIGHTS

Dual 320kV Generators

80 mm Steel Penetration

40 AWG Wire Resolution

Enhanced Material Discrimination

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-1517DV 320kV™ is a powerful X-Ray Inspection System (XIS) designed for screening cargo at airports, customs centers, transit hubs, and freight facilities. Its two 320kV generators provide the highest level of steel penetration and image resolution of any cargo system its size. For higher throughput, its heavy roller bed is only 35.6 cm (14") above the floor, convenient for loading and unloading freight.

Its dual generators provide operators with two views of scanned objects, from the top and from the side. Each view can be manipulated independently, ensuring thorough inspections of dense, tightly-packs cargo skids. Combined with Astrophysics' best-in-class software, the XIS-1517DV 320kV allows operators to recognize objects, identify materials, and isolate threats with greater speed and accuracy.

The Astrophysics XIS-1517DV 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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™

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GENERAL SPECIFICATIONS

Tunnel Size: 152.4 cm x 170.2 cm (WxH)
 60.0" x 67.0"
 Dimensions:¹ 1116.4 cm x 281.3 cm x 304.8 cm (LxWxH)
 440.0" x 110.7" x 120.0"
 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: 35.5 cm (14.0") from Floor
 Roller Bed Capacity: 2000 kg (4409 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

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: 220VAC +/- 10% 50/60Hz, 100 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 the Federal Standard)

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 Protection (TIP) Software
 Custom Paint
 Entry/Exit Roller Tables
 Environmental Kit
 Conveyor Capacity 3000kg (6614lbs)
 Evenly Distributed Load
 Footmat Operator Interlock
 Mobility Kit
 Radiation Meter

MACHINE NOT AVAILABLE FOR PHOTOS. AWAITING MECHANICAL DRAWINGS FROM ENGINEERING.



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.

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