



XIS-1818DVTM 200kV



PRODUCT HIGHLIGHTS

Dual 200kV Generators

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-1818DV 200kVTM is a high-capacity X-Ray Inspection System (XIS) designed to inspect heavy cargo at airports, seaports, and freight facilities. Its powerful 200kV generators provide 50 mm of steel penetration and high-resolution imaging, enabling thorough inspection of dense, tightly-packed crates. For higher throughput, its roller bed conveyor is only 38 cm (15") 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, enabling faster inspections without any loss of image quality. Combined with Astrophysics' best-in-class software, the XIS-1818DV 200kV allows operators to recognize objects, identify materials, and isolate threats with exceptional speed and accuracy.

The Astrophysics XIS-1818DV 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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITYTM

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GENERAL SPECIFICATIONS

Tunnel Size:	180.7 cm x 180.4 cm (WxH)
Dimensions: ¹ (LxWxH)	853.1 cm x 289.6 cm x 316.8 cm 335.9" x 114.0" x 124.7"
Net Weight: ¹	5800 kg (12787 lbs)
Shipping Weight: ¹	7300 kg (16094 lbs)
Roller Bed Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Roller Bed Height:	38.3 cm (15.0") 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:	Dual 200kV Generators
Tube Current:	Dual 1.0 mA
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward, Vertically Downward
Detector:	4864 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:	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)

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)

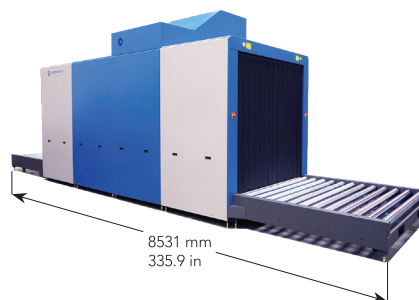
Image Annotation
JPEG Conversion
Print Image Capable

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
Footmat Operator Interlock
Radiation Meter
Remote Workstation Configuration



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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