

XIS-1818DV™ 200kV

PRODUCT HIGHLIGHTS

Dual 200kV Generator

Enhanced Imaging™

Real-Time Diagnostics

Field Proven Reliability



PRODUCT DESCRIPTION

The XIS-1818DV 200kV™ is a high-capacity X-Ray Inspection System (XIS) designed to inspect heavy cargo. The system features a roller bed conveyor only 38 cm (15") above the floor, convenient for loading and unloading freight. Its powerful 200kV generators provide 52 mm of steel penetration and high-resolution imaging, enabling thorough inspection of dense, tightly-packed crates.

ABOUT ASTROPHYSICS

Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners. Headquartered outside of Los Angeles, CA in the USA, Astrophysics has over 40,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1818DV™ 200kV

GENERAL SPECIFICATIONS

Tunnel Size:	181.0 cm x 180.5 cm (WxH) 71.3" x 71.1"
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	6123 kg (13500 lbs)
Shipping Weight: ¹	7300 kg (16094 lbs)
Conveyor Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Conveyor Height:	38.3 cm (15") from Floor
Conveyor Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 200kV Generators
Tube Current:	Dual 1.0 mA
Wire Resolution: ²	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	52 mm Typical, 50 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward, Vertically Downward

COMPUTER & VIDEO

Platform:	Windows® 10 OS
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD

ENVIRONMENTAL

Operating Temperature:	0°C to 40°C / 32°F to 104°F
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, 20 Amp Max 220VAC +/- 10%, 50/60Hz, 15 Amp Max.
Power Conditioner:	Uninterruptible Power Supply (UPS) (Computer Operation)

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 & ISO 14001 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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact sales@astrophysicsinc.com for the most updated brochures.

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™ Mode
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

Atomic Z-Number Measurement
Geometric Image Distortion Correction
Material Discrimination
Real-Time Image Manipulation

Auto Image Archiving
Image Review
Save Image (RGB)

Baggage Counter

Image Annotation
JPEG Conversion
Print Image Capable

Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

9 Quadrant Zoom
Continuous Scanning
Continuous Zoom Up to 64x
Vertical Zoom Panning

OPTIONAL

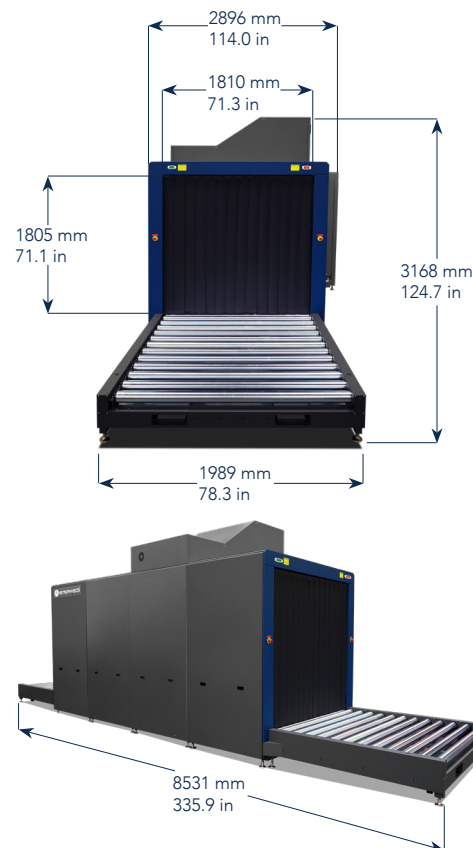
Barcode Scanning
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Custom Paint
Entry/Exit Roller Tables
Environmental Kit

Footmat Operator Interlock

Radiation Meter
Remote Workstation Configuration



CARGO



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