ASTROPHYSICS®

XIS-1818DV™ 320kV

PRODUCT HIGHLIGHTS

- 320kV Generator
- Enhanced Imaging™ (EI)
- 80mm Steel Penetration
- 40 AWG Wire Resolution
- Field Proven Reliability

TSA QUALIFIED

DESIGNED IN THE USA MADE IN NORTH AMERICA

PRODUCT DESCRIPTION

The XIS-1818DV 320kV™ is the ultimate cargo X-ray Inspection System (XIS), designed for increased penetration screening of heavy cargo. The system features powerful dual 320kV generators that provide the best penetration and image resolution in its class. With field proven reliability, comprehensive Real-Time Diagnostics, and a reputation for customer service excellence, Astrophysics is the premier air cargo partner.

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 35,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1818DV™ 320kV

CARGO

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	181.0 cm x 180.5 cm 71.3" x 71.1"
Dimensions:[1] (LxWxH)	1069.4 cm x 310.5 cm x 314.3 cm 421.0" x 122.3" x 123.8"
Net Weight:[1]	16000 kg (35275 lbs)
Shipping Weight:[1]	20000 kg (44095 lbs)
Conveyor Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Conveyor Height:	38.1 cm (15") from Floor
Conveyor Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 320kV Generators
Tube Current:	Dual 7.0 mA
Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration:[2]	80 mm Typical, 75 mm Standard
Cooling:	Integrated Cooler Unit with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward, Vertically Downward

COMPUTER & VIDEO

Platform:	Windows® OS
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200
Memory:	8 GM 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:	220VAC +/- 10%, 50/60Hz, 100 Amp Min.
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)

FEATURES

STANDARD

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

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

Auto Image Archiving
Image Review
Manual Bitmap Archive

Baggage Counter
Image Annotation
Multi-Tier Accessibility
Network Ready
Print Image Capable
Real-Time Self Diagnostics

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

OPTIONAL

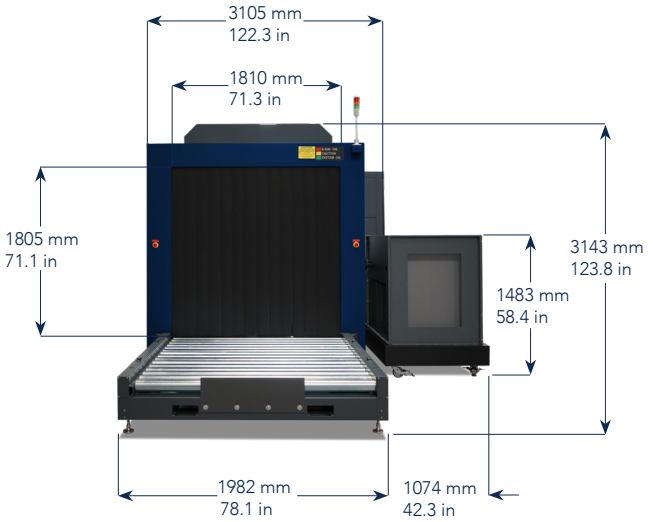
Barcode Scanning
Computer Based Training (CBT)
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

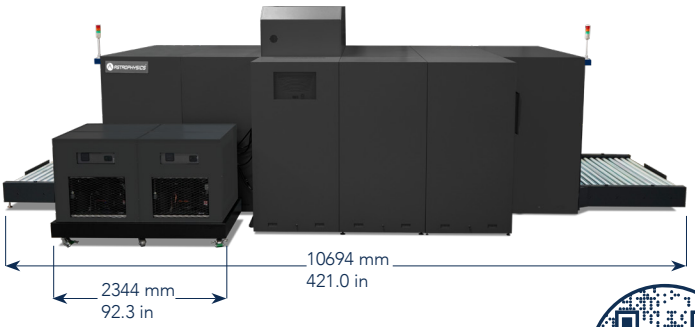
Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Custom Paint
Entry/Exit Roller Tables
Environmental Kit

Footmat Operator Interlock

Radiation Meter
Remote Workstation Configuration





ISO 9001 & ISO 14001 CERTIFIED

[1]Weight and dimensions of the system may vary depending on customization.
[2]As tested on Astrophysics Inc. Test Piece.
[3]Optional 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.

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