

XIS-1818DV™ 320kV

PRODUCT HIGHLIGHTS

320kV Generator

Enhanced Imaging™

80mm Steel Penetration

40 AWG Wire Resolution

Field Proven Reliability



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 40,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1818DV™ 320kV

GENERAL SPECIFICATIONS

Tunnel Size:	181.0 cm x 180.5 cm (WxH) 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: ²	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 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:	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)

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.

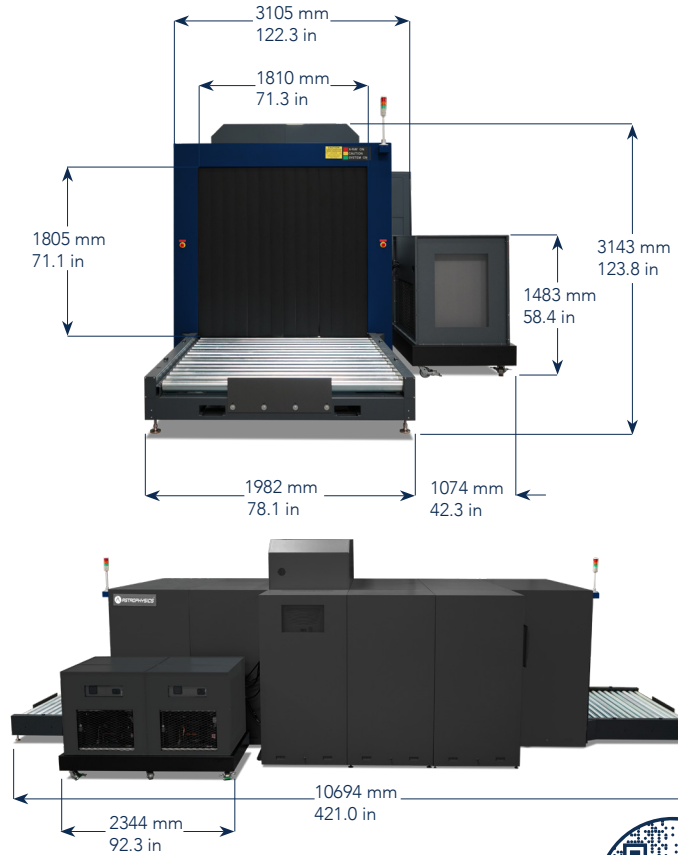
FEATURES

STANDARD

- 3 & 6 Color Imaging
- Black & White Imaging
- 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
- Screeener 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

DCOH#2990 P/N 50-00-PB29-00 Rev. L

