

# XIS-1517DV™ 320kV

## PRODUCT HIGHLIGHTS

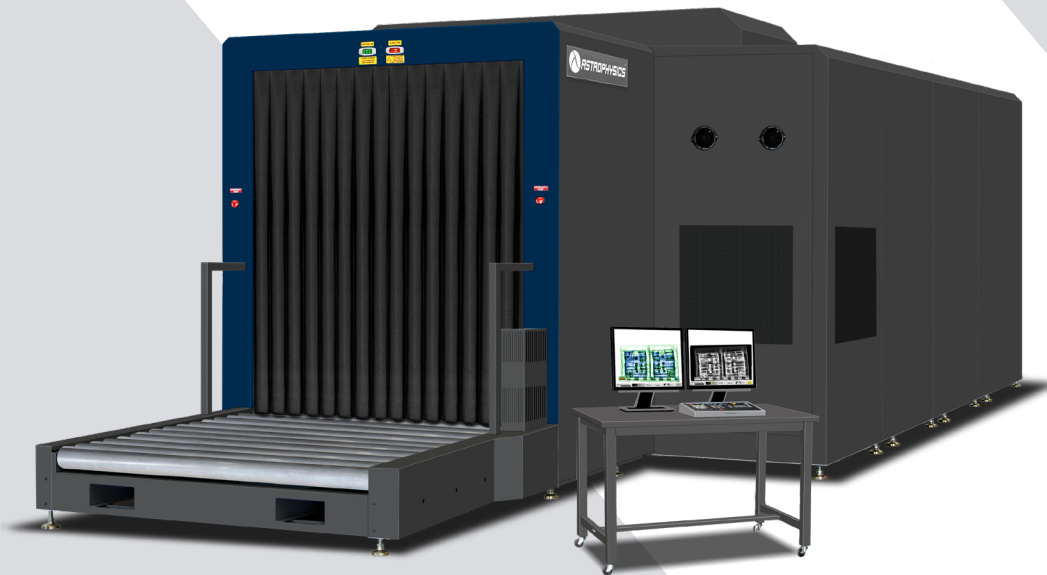
Dual 320kV Generator

80mm Steel Penetration

Enhanced Imaging™

40 AWG Wire Resolution

Field Proven Reliability



## PRODUCT DESCRIPTION

The XIS-1517DV 320kV™ is a powerful X-Ray Inspection System (XIS) designed for high penetration cargo screening. It features a heavy conveyor bed of steel roller-wheels only 35.6 cm (14") above the floor, convenient for loading and unloading heavy cargo and pallets. Its dual 320kV generators provide the highest level of steel penetration and image resolution in its class.

## 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-1517DV™ 320kV

## GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	152.4 cm x 170.2 cm 60.0" x 67.0"
Dimensions: <sup>1</sup> (LxWxH)	1069.4 cm x 281.1 cm x 304.8 cm 421.0" x 110.7" x 120.0"
Net Weight: <sup>1</sup>	16000 kg (35275 lbs)
Shipping Weight: <sup>1</sup>	20000 kg (44095 lbs)
Conveyor Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Conveyor Height:	35.5 cm (14.0") from Floor
Conveyor Capacity:	3000 kg (6613 lbs) Evenly Distributed Load

## X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 320kV Generators
Tube Current:	Dual 7.0 mA
Wire Resolution: <sup>2</sup>	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	80 mm Typical, 75 mm Standard
Cooling:	Integrated Cooler Unit with Forced Air
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 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 the Federal Standard)

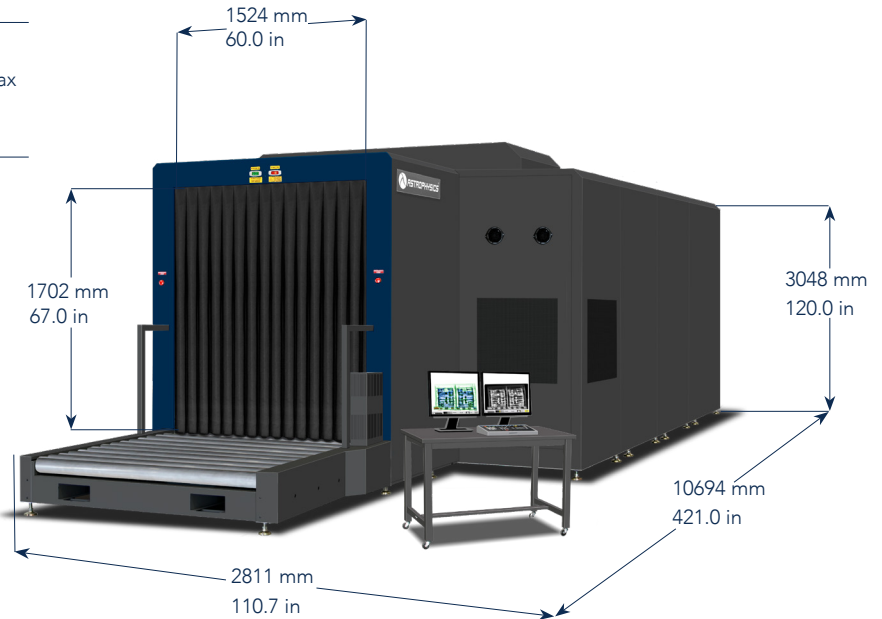
## FEATURES

### STANDARD

- 3 & 6 Color Imaging
- Black & White Imaging
- High Penetration Function
- Organic/Inorganic Imaging
- Enhanced Imaging™
- Pseudo Color
- Reverse Monochrome
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Atomic Z-Number Measurement
- Material Discrimination
- Geometric Image Distortion Correction
- Real-Time Image Manipulation
- 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 Protection (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



## ISO 9001 & ISO 14001 CERTIFIED



<sup>1</sup>Weight and dimensions of the system may vary depending on customization.

<sup>2</sup>As tested on Astrophysics Inc. Test Piece.

<sup>3</sup>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](mailto:sales@astrophysicsinc.com) for the most updated brochures.



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