

XIS-1818™ 320kV

PRODUCT HIGHLIGHTS

320kV Generator

80mm Steel Penetration

Picture Perfect Image Analysis

40 AWG Wire Resolution

Field Proven Reliability



PRODUCT DESCRIPTION

The XIS-1818 320kV™ is a powerful X-Ray Inspection System (XIS) designed for screening cargo at airports, customs centers, transit hubs, and freight facilities. For higher throughput, its heavy roller bed conveyor is only 38 cm (15") above the floor, convenient for loading and unloading freight. Its 320kV generator provides the highest level of steel penetration and image resolution of any cargo system its size.

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-1818TM 320kV

GENERAL SPECIFICATIONS

Tunnel Size:	181.1 cm x 180.7 cm (WxH)
Dimensions: ²	949.6 cm x 310.3 cm x 240.0 cm (LxWxH)
Net Weight: ²	12000 kg (26400 lbs)
Shipping Weight: ²	16135 kg (35570 lbs)
Conveyor Speed:	20 cm/s (39 ft or 12m/min) Forward or Reverse
Conveyor Height:	34.3 cm (13.5") from Floor
Conveyor Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	320kV
Tube Current:	7.0 mA
Wire Resolution: ²	40 AWG Typical, 38 AWG Standard
Steel Penetration: ¹	80 mm Typical, 75 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward

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 - 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:	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 the Federal Standard)

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
Picture Perfect
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

OPTIONAL

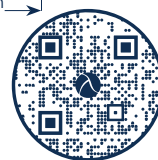
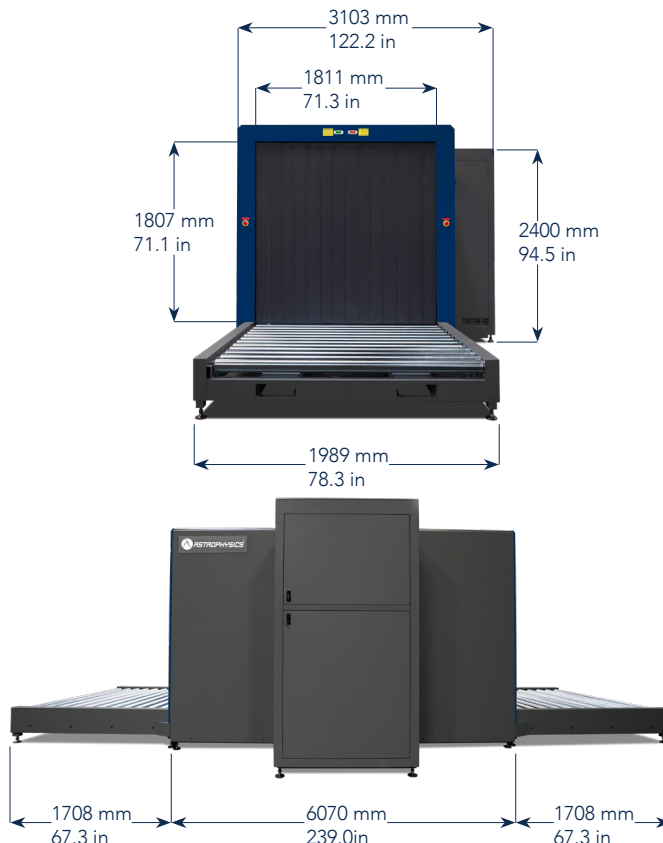
Barcode Scanning
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Protection (TIP) Software

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Custom Paint
Entry/Exit Roller Tables
Environmental Kit

Footmat Operator Interlock

Radiation Meter



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Astrophysics HQ
+1.909.598.5488

Astrophysics – EMEA
+961.9.832.500

Astrophysics – INDIA
+91.11.41709990

Astrophysics – ASIA
+63.2.812.0033

sales@astrophysicsinc.com | www.astrophysicsinc.com | service@astrophysicsinc.com

CARGO