



ASTROPHYSICS®

XIS-5335S™



PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

Small Footprint

High Resolution Image with 24-Bit Color

Powerful 160kV Generator

Windows 10 Operating System with Intel® Core™ Processor

Enhanced Material Discrimination

PRODUCT DESCRIPTION

The XIS-5335S™ is a compact but powerful X-ray Inspection System (XIS) that provides more power than any system in its cabinet size. Capable of fitting through standard doorways, the system's small footprint allows for easy relocation and installation, while the 160kV generator provides improved detection in small objects, like bags, backpacks, and mail parcels.

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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™

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GENERAL SPECIFICATIONS

Tunnel Size:	53.3 cm x 35.8 cm
(WxH)	21.0" x 14.1"
Dimensions: ¹	133.1 cm x 76.4 cm x 122.5 cm
(LxWxH)	52.4" x 30.1" x 48.2"
Net Weight: ¹	297 kg (654 lbs)
Shipping Weight: ¹	365 kg (804 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	72.9 cm (28.7") from Floor
Conveyor Capacity:	165 kg (364 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	160kV, Operating at 150kV
Tube Current:	0.7 mA
Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	39 mm Typical, 37 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward

COMPUTER & VIDEO

Platform:	Windows® 10 OS
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA
Memory:	4 GB RAM
Storage Capacity:	256 GB SSD
Display Type:	Single 21.5" Flat Panel Color Monitor
Display Resolution:	1920 x 1080; 24 Bit/Pixel Color

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:	110 VAC +/- 10% 50/60Hz, 15 Amp Max 220VAC +/- 10% 50/60Hz, 10 Amp Max
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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)

STANDARD FEATURES

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™ (EI)
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 FEATURES³

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

External USB Ports
Conveyor Capacity Load Increase
Variable Conveyor Speed

24" Flat Panel Monitor
Custom Paint
Dual Monitors (21.5" or 24")
Environmental Kit
Entry/Exit Roller Tables
Footmat Operator Interlock
Roller Bed
Long Conveyor⁴
Mobility Kit
Radiation Meter
Remote Workstation Configuration
Internal/External UPS



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.

⁴Conveyor length will vary depending on system's dimensions.

Due to continued product research and 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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