

XIS-6545N™



PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

8-Color Imaging

Enhanced Imaging™ (EI)

Windows® Operating System
with Intel® Core™ Processor

Narrow Frame



PRODUCT DESCRIPTION

The XIS-6545N™ is a unique X-ray Inspection System (XIS) featuring large tunnel dimensions and a narrow frame to fit through most doorways, enabling the screening of larger objects at checkpoints with limited space. The XIS-6545N™ represents the best in optimized screening, packaging the same proven screening technology of the XIS-6545™ into a narrow frame, offering flexibility without sacrificing quality.

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-6545N™

GENERAL SPECIFICATIONS

Tunnel Size:	62.0 cm x 45.0 cm (WxH) 24.4" x 17.7"
Dimensions: ¹ (LxWxH)	153.4 cm x 83.7 cm x 130.5 cm 60.4" x 32.9" x 51.4"
Net Weight: ¹	431 kg (950 lbs)
Shipping Weight: ¹	600 kg (1323 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	71.9 cm (28.3") 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
Memory:	8 GM RAM
Storage Capacity:	256 GB SSD
Display Type:	21.5" Flat Panel Monitor
Display Resolution:	1920 x 1080

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:	110VAC +/- 10% 50/60Hz, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA

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)

180KV GENERATOR UPGRADE

Penetration²: 41 mm Steel Typical, 39 mm 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
Enhanced Imaging™ (EI)
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

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

Auto Image Archiving
Image Review
Save Image (RGB)

Baggage Counter
Heavy Duty Casterds

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

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

24" Flat Panel Monitor
Custom Paint
Environmental Kit
Entry/Exit Roller Tables
Footmat Operator Interlock
Internal/External UPS
Mobility Kit
Roller Bed
Radiation Meter
Remote Workstation Configuration
Sloped Conveyor

External USB Ports
Conveyor Capacity Load Increase
Variable Conveyor Speed



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