

# XIS-6545N™



## PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

8-Color Imaging

Enhanced Imaging™

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 40,000 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: <sup>1</sup>	153.4 cm x 83.7 cm x 130.5 cm
(LxWxH)	60.4" x 32.9" x 51.4"
Net Weight: <sup>1</sup>	431 kg (950 lbs)
Shipping Weight: <sup>1</sup>	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: <sup>2</sup>	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	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 GB 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

Penetration<sup>2</sup>: 41 mm Steel Typical, 39 mm Standard

## 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.

## FEATURES

### STANDARD

- 3 & 6 Color Imaging
- Black & White Imaging
- Enhanced Imaging™
- 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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CHECKPOINT

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