

# 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 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<br>(WxH) 24.4" x 17.7"               |
| Dimensions: <sup>1</sup><br>(LxWxH) | 153.4 cm x 83.7 cm x 130.5 cm<br>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:                | 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<br>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

## 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



## 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.



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](mailto:sales@astrophysicsinc.com) | [www.astrophysicsinc.com](http://www.astrophysicsinc.com) | [service@astrophysicsinc.com](mailto:service@astrophysicsinc.com)

CHECKPOINT

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