



# XIS-1080<sup>TM</sup>



## PRODUCT HIGHLIGHTS

Enhanced Material Discrimination

High Image Resolution with 24-Bit Color

Real-Time Diagnostics

Picture Perfect Image Analysis

Windows Operating System with Intel® Core™ Processor

The XIS-1080<sup>TM</sup> is a mid-size X-Ray Inspection System (XIS) with a heavy conveyor belt capable of supporting up to 200 kg (440 lbs.). Designed for screening luggage and oversized baggage at airports and transport facilities, it is equipped with a powerful generator that provides crisp, high-resolution images that makes it easy to perform detailed inspections of dense, tightly-packed baggage and cargo.

Combined with Astrophysics' best-in-class software, the XIS-1080 allows operators to identify materials, recognize objects, and isolate threats with greater speed and accuracy. Its superior image quality, advanced software, and high throughput make the XIS-1080 an ideal solution for high-volume checkpoints that require powerful protection from weapons, explosives, and contraband.

The Astrophysics XIS-1080 is designed and assembled in the United States to the highest quality standards. For nearly twenty years, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY<sup>TM</sup>

### PEO B.V.

info@gotopeo.com  
www.gotopeo.com

### The Netherlands

Havenweg 16, 6603 AS Wijchen  
+31 (0)24 648 86 88

### Belgium

Watermolenstraat 2, B-2910 Essen  
+32 (0)3 309 32 09

CoC 34107894

VAT NL807859151B01

IBAN NL29 RABO 0356 1960 46

BIC RABONL2U



## GENERAL SPECIFICATIONS

|                                     |  |
|-------------------------------------|--|
| Tunnel Size:                        | 100 cm x 80 cm<br>(WxH)                                |
| Dimensions: <sup>1</sup><br>(LxWxH) | 260 cm x 137.2 cm x 168.9 cm<br>102.4" x 54.0" x 66.5" |
| Net Weight: <sup>1</sup>            | 900 kg (1980 lbs)                                      |
| Shipping Weight: <sup>1</sup>       | 1240 kg (2730 lbs)                                     |
| Conveyor Speed:                     | 23 cm/s (45 ft/min)<br>Forward or Reverse              |
| Conveyor Height:                    | 70.6 cm (27.8") from Floor                             |
| Conveyor Capacity:                  | 200 kg (441 lbs) Evenly Distributed Load               |

## TECHNICAL

|                                 |                                 |
|---------------------------------|---------------------------------|
| Wire Resolution:                | 40 AWG Typical, 38 AWG Standard |
| Steel Penetration: <sup>2</sup> | 39 mm Typical, 37 mm Standard   |

## X-RAY GENERATOR & IMAGE PERFORMANCE

|                 |   |
|-----------------|---|
| Voltage:        | 180kV, Operating at 165kV                   |
| Tube Current:   | 1.2 mA                                      |
| Cooling:        | Sealed Di-Electric Oil Bath with Forced Air |
| Duty Cycle:     | 100%, No Warm-Up Procedure Required         |
| Beam Direction: | Diagonally Upward                           |
| Detector:       | 2176 Channels in an L-Shaped Array          |

## COMPUTER & VIDEO

|                     |  |
|---------------------|--|
| Platform:           | Windows® OS                              |
| Power Conditioner:  | Automatic Voltage Regulator (AVR), 600VA |
| Display Type:       | Dual 19" Flat Panel Color Monitors       |
| Display Resolution: | 1280 x 1024; 24 Bit/Pixel Color          |

## 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: | 110VAC +/- 10%, 50/60Hz, 15 Amp Max<br>220VAC +/- 10% 50/60Hz, 10 Amp Max |
|---------------|---|

## 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)



ISO 9001: 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.

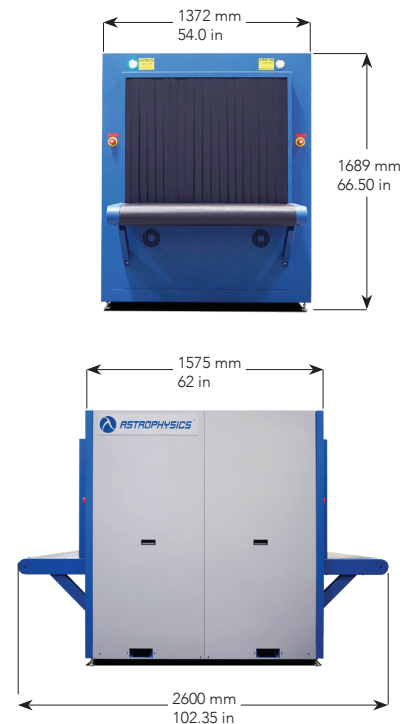
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

## STANDARD FEATURES

6 Color Imaging  
Color and Black/White Imaging  
Geometric Image  
Distortion Correction  
High Penetration Function  
Organic/Inorganic Imaging  
Picture Perfect  
Pseudo Color  
Real-Time Image Manipulation  
Reverse Monochrome  
  
Atomic Z-Number Measurement  
Material Discrimination  
  
9 Quadrant Zoom  
Continuous Scanning  
Continuous Zoom Up to 64x  
Vertical Zoom Panning  
  
Auto Image Archiving  
Image Review  
Save Image (RGB)  
  
Image Annotation  
JPEG Conversion  
Print Image Capable  
  
Multi-Tier Accessibility  
Network Ready  
Real-Time Self Diagnostics  
  
Baggage Counter

## OPTIONAL FEATURES<sup>3</sup>

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  
Entry/Exit Roller Tables  
Environmental Kit  
  
Footmat Operator Interlock  
Heavy Duty Casters  
Sloped Conveyor  
  
Mobility Kit  
Radiation Meter  
Remote Workstation Configuration  
  
Uninterrupted Power Supply (UPS)



**Astrophysics HQ**  
+1.909.598.5488

**Astrophysics - DC**  
+1.202.350.9740

**Astrophysics - HOUSTON**  
+1.713.357.5132

**Astrophysics - EMEA**  
+961.9.832.500/1/2

**Astrophysics - INDIA**  
+91.11.41709990

**Astrophysics - ASIA**  
+63.2.812.0033