

# XIS-6040™



## PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

8-Color Imaging

Enhanced Imaging™

Real-Time Diagnostics

Proven Field Reliability



## PRODUCT DESCRIPTION

The XIS-6040™ is a high-performance X-Ray Inspection System (XIS) ideally suited for scanning backpacks, purses, and small parcels. With thousands deployed at checkpoint sites worldwide, the XIS-6040™ is the most sold critical infrastructure x-ray product in the market. With proven field reliability and unsurpassed image quality, the XIS-6040™ is the ultimate checkpoint system.

## 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-6040™

## GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	60.0 cm x 40.0 cm 23.6" x 15.8"
Dimensions: <sup>1</sup> (LxWxH)	143.3 cm x 84.6 cm x 124.5 cm 56.4" x 33.3" x 49.0"
Shipping Dimensions: <sup>1</sup> (LxWxH)	158.8 cm x 96.5 cm x 160.0 cm 62.5" x 38.0" x 63.0"
Net Weight: <sup>1</sup>	445 kg (980 lbs)
Shipping Weight: <sup>1</sup>	490 kg (1080 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	71.6 cm (28.2") 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 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 Color 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:	110 VAC +/- 10% 50/60Hz, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA

## HEALTH & SAFETY

Film Safety: Guaranteed up to ISO 1600 (33 DIN)

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
- 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

- 8 Color Imaging
- Artificial Intelligence (AI)
- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage<sup>®</sup> 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")
- Entry/Exit Roller Tables
- Environmental Kit
- Extended Tunnel Covers
- Footmat Operator Interlock
- Internal/External UPS
- Short Conveyor<sup>4</sup>/Long Conveyor<sup>5</sup>
- Mobility Kit
- Roller Bed
- Radiation Meter
- Remote Workstation Configuration

## XIS-6040™ WITH MOBILITY KIT

<b>Dimensions<sup>1</sup></b>	143.3 cm x 84.6 cm x 133.7 cm (LxWxH)
<b>Shipping Dimensions<sup>1</sup></b>	158.8 cm x 96.5 cm x 168.9 cm (LxWxH)
<b>Net Weight<sup>1</sup></b>	454 kg (1000 lbs)



CHECKPOINT

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