

XIS-6040™



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PRODUCT HIGHLIGHTS

Enhanced Material Discrimination

Picture Perfect Image Analysis

Real-Time Diagnostics

High Image Resolution with 24-Bit Color

Optional Syntech SOLUTION™ AI Software

The XIS-6040™ is a high-performance X-Ray Inspection System (XIS) ideally suited for small checkpoints, screening backpacks, purses, and parcels. With thousands of installations at airports and critical infrastructure facilities worldwide, the XIS-6040 is the most sold critical infrastructure product in the x-ray market.

With proven field reliability and unsurpassed image quality, the XIS-6040 represents the best in optimized screening technology. High-resolution scans and Astrophysics' best-in-class software allows operators to recognize objects, identify materials, and isolate threats with greater speed and accuracy.

Astrophysics' optional AI software, Syntech SOLUTION™, detects guns and knives with incredible precision and accuracy. Fully-integrated, Syntech SOLUTION™ automatically stops the belt when it detects a threat and isolates it with a colored box on-screen, for an unmatched level of safety.

The Astrophysics XIS-6040 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.

GENERAL SPECIFICATIONS

Tunnel Size: 60.0 cm x 40.0 cm
 (WxH) 23.6" x 15.7"
 Dimensions:¹ 143.3 cm x 84.6 cm x 124.5 cm
 (LxWxH) 56.4" x 33.3" x 49.0"
 Net Weight:¹ 370 kg (820 lbs)
 Shipping Weight:¹ 490 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

TECHNICAL

Wire Resolution: 40 AWG Typical, 38 AWG Standard
 Steel Penetration:² 39 mm Typical, 37 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage: 160kV, Operating at 150kV
 Tube Current: 0.7 mA
 Cooling: Sealed Di-Electric bath with Forced Air
 Duty Cycle: 100%, No Warm-Up Procedure Required
 Beam Direction: Diagonally Upward

COMPUTER & VIDEO

Platform: Windows® OS
 Memory: 4 GB RAM
 Storage Capacity: 1TB HDD, 240 GB SSD
 Power Conditioner: Automatic Voltage Regulator (AVR), 600VA
 Display Type: 19" Flat Panel Color Monitor
 Display Resolution: 1280 x 1024; 24 Bit/Pixel Color

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

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)

GENERATOR UPGRADE

Upgrade to 180kV Generator
 Penetration:² 41 mm Steel Typical, 39 mm Standard
 ASTM F792
 Test 1: 40 AWG⁴
 Test 3: 1 mm Horizontal/Vertical⁴
 Test 4: 34 mm⁴



ISO 9001: 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.

⁴Maximum Values on ASTM F792 Test Piece.

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 FEATURES³

- 8 Color Imaging
- Barcode Scanning
- Density Alert
- Enhanced Imaging Mode
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Syntech SOLUTION™ AI Software
- Test Case
- Threat Image Projection (TIP) Software
- 24" Flat Panel Monitor
- Custom Paint
- Dual Monitors (19" or 24")
- Entry/Exit Roller Tables
- Environmental Kit
- Extended Tunnel Covers
- Footmat Operator Interlock
- Heavy Duty Casters
- Long Conveyor
- Mobility Kit
- Radiation Meter
- Remote Workstation Configuration
- Uninterruptible Power Supply (UPS)

	XIS-6040N	XIS-6040M
Dimensions	143.3 cm x 80.9 cm x 124.5 cm	143.3 cm x 84.6 cm x 133.7 cm
Net Weight	439 kg (968 lbs)	393 kg (866 lbs)



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