



ASTROPHYSICS®



XIS-6040™



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.

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™

GENERAL SPECIFICATIONS

Tunnel Size:	60.0 cm x 40.0 cm (WxH)
Dimensions: ¹ (LxWxH)	143.3 cm x 84.6 cm x 124.5 cm 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
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HEALTH & SAFETY

Film Safety:	Guaranteed up to ISO 1600 (33 DIN)
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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 AWG ⁴ Test 3: 1 mm Horizontal/Vertical ⁴ Test 4: 34 mm ⁴



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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