

XIS-6040™



BOOS.GR

262, Mesogeion Ave.
PC 155 62 Holargos, Greece
T. +30 210 654 9590
E. info@boos.gr

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)



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