



XIS-6040



FEATURE HIGHLIGHTS

Optional Syntech SOLUTION™ AI Software

High Image Resolution with 24-Bit Color

Enhanced Material Discrimination

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-6040 is a high-performance X-Ray Inspection System (XIS) designed to screen backpacks, purses, and parcels at access points in airports, courthouses, prisons, and other high-security sites.

Astrophysics' best-in-class software produces high-quality images that enable operators to easily identify objects and isolate threats with speed and accuracy. Our products are designed and assembled in the USA to the highest quality standards.

The XIS-6040 is offered with optional AI software – Syntech SOLUTION™ – which detects guns and knives with incredible precision and accuracy. Fully-integrated, Syntech SOLUTION™ provides a level of safety unmatched by conventional, add-on AI software.

For nearly twenty years, Astrophysics has led the X-ray industry in research and development, creating integrated solutions to advance our customers' critical security missions.

GENERAL SPECIFICATIONS

Tunnel Size: 60.0 cm x 40.0 cm
(WxH) 23.6" x 15.7"
 Dimensions:² 143.3 cm x 84.6 cm x 124.5 cm
(LxWxH) 56.4" x 33.3" x 49.0"
 Net Weight:² 370 kg (820 lbs)
 Shipping Weight:² 490 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:¹ 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
 Detector: L-Shaped Array

COMPUTER & VIDEO

Platform: Windows® OS
 Backup: Automatic Voltage Regulator (AVR)
 Display Type: 19" Flat Panel Monitor
 Display Resolution: 1280 x 1024; 24 Bit/Pixel Color

ENVIRONMENTAL

Operating Temperature: 0°C to 40°C / 32F to 104F
 Storage Temperature: -20°C to 60°C / -4°F to 140°F
 Humidity: Up to 95% non-condensing

ELECTRICAL

System Power: 110/220 VAC +/- 10% 50/60Hz

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 the Federal Standard)

GENERATOR UPGRADE

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



ISO 9001:2015 Certified

¹As tested on Astrophysics Inc. Test Piece.
²Weight and dimensions of the system may vary depending on customization.
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
- Atomic Z-Number Measurement
- Auto Image Archiving
- Baggage Counter
- Color and Black/White Imaging
- Continuous Scanning
- Continuous Zoom Up to 64x
- Vertical Zoom Panning
- Geometric Image
- Distortion Correction
- High Penetration Function
- Image Annotation
- Image Review
- JPEG Conversion
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Organic/Inorganic Imaging
- Picture Perfect
- Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)

OPTIONAL FEATURES³

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

	XIS-6040N	XIS-6040M
Dimensions	143.3 cm x 80.9 cm x 124.5 cm	141.2 cm x 84.6 cm x 133.7 cm
Net Weight	370 kg (820 lbs)	430 kg (950 lbs)



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