

# XIS-6040

When it comes to security, Astrophysics exceeds standards in the customization of X-ray scanners to address specific site needs. Manufactured in Southern California, our safe and reliable X-ray scanners have demonstrated success at both interdiction and as deterrent tools on school premises. The **XIS-6040** is a mobile X-ray system ideal for screening backpacks and other personal items entering the school building.

### **KEY FEATURES & BENEFITS**

## ➤ Artificial Intelligence (AI)

This exclusive software feature enables automatic detection of firearms and sharp objects in real-time. Once a threat is detected, an automatic threat alert notifies administrators and first responders.

## ► Tailored for School Environment

The **XIS-6040** was designed with the close collaboration of the New York Safety Division (NYC-SSD). This proven system addresses site and operational challenges and the robust screening needs of student and faculty belongings.

# User-Friendly Design

For quick and convenient set-up, the integrated roller tables can fold and extend without requiring additional assembly tools.

# ► Increased Mobility

With narrow hallways and limited space, the **XIS-6040** is designed with a narrow frame, wheels, and a folding monitor to better accommodate doorways and other limited points of entry.







#### **GENERAL SPECIFICATIONS**

· Tunnel Opening:  $(W \times H)$ 

· Dimensions (Deployed)2:  $(L \times W \times H)$ 

• Dimensions (Folded)<sup>2</sup>:  $(L \times W \times H)$ 

· Net Weight<sup>2</sup>: · Shipping Weight: · Conveyor Speed:

· Conveyor Height:

· Conveyor Capacity:

23.64" x 15.76" 242.6 cm x 80.4 cm x 184.2 cm 95.5" x 31.7" x 72.5"

60.0 cm x 40.0 cm

146.8 cm x 80.4 cm x 184.2 cm 57.8" x 31.7" x 72.5" 440 kg (970 lbs.) 558 kg (1230 lbs.)

23 cm/s (45 ft/min) Forward or Reverse 83.9 cm (33.03") from Floor

165 kg (364 lbs) Evenly Distributed Load

#### **TECHNICAL**

· Wire Sensitivity: · Spatial Resolution:

· Steel Penetration 1: · Contrast Sensitivity:

• Film Safety:

40 AWG Typical, 38 AWG Standard 1.0 mm Horizontal, 1.0 mm Vertical 39 mm Typical, 37 mm Standard 24 Visible Levels, 4096 Gray Level Guaranteed up to ISO 1600 (33 DIN)

#### X-RAY GENERATOR

Voltage:

• Tube Current: · Cooling:

· Duty Cycle:

· Beam Direction:

160kV, Operating at 150kV

0.7 mA

Sealed Di-Electric Oil Bath with Forced Air 100%, No Warm-Up Procedure Required

Diagonally Upward

#### **COMPUTER**

• Processor:

Intel® Core i5 · Memory: 4 GB RAM

· Storage: 500 GB HDD, 240 GB SSD

Windows® OS · Platform:

· Backup: Uninterruptible Power Supply (Computer Operation - 20 min)

#### **VIDEO**

· Display Type: · Display Resolution: Single 24" LCD Color Monitor 1280 x 1024; 24 Bit/Pixel Color

#### **ENVIRONMENTAL**

· Operating Temperature: · Storage Temperature:

· Humidity:

0°C - 40°C \ 32°F - 104°F -20°C - 60°C \ -4°F - 140°F Up To 95% Non-Condensing

#### **ELECTRICAL**

· Power Requirements:

110VAC ± 10%, 50/60Hz, 15 Amp Max

### **HEALTH AND SAFETY**

- · 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).

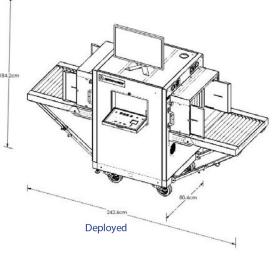


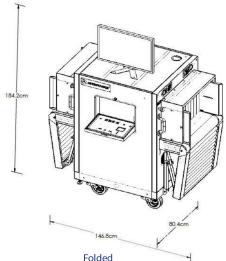












#### STANDARD FEATURES

- · 6 Color Imaging
- 9 Quadrant Zoom
- · Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- · Baggage Counter
- · Color and Black / White Imaging
- · Continuous Scanning
- Continuous Zoom up to 64x
- Geometric Image Distortion Correction
- · High Penetration Function
- · Heavy Duty Casters (Independent Suspension) · Reverse Monochrome
- · Image Annotation
- · Image Review
- JPEG Conversion

- · Material Discrimination
- · Multi-Tier Accessibility
- · Network Ready
- · Organic / Inorganic Imaging
- · Operator Training Program (OTP)
- · Picture Perfect
- · Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- · Save Image (RGB)
- Vertical Zoom Panning

### OPTIONAL FEATURES<sup>3</sup>

- · Artificial Intelligence (AI)
- · Custom Paint
- · Density Alert Advanced
- · Polar Kit
- · Radiation Meter
- · Screener Assist Software
- Test Case
- · Tropical Kit



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