



XIS-7858TM



PRODUCT HIGHLIGHTS

Enhanced Material Discrimination

High Image Resolution with
24-Bit Color

Picture Perfect Image Analysis

Real-Time Diagnostic

Minimal System Profile

Windows Operating System
with Intel® Core™ Processor

The XIS-7858TM is a compact X-Ray Inspection System (XIS) with a small footprint and wide tunnel dimensions, ideal for screening large baggage and parcels at sites with limited space.

The XIS-7858 is equipped with the full range of Astrophysics imaging tools, which allow operators to manipulate scans in real-time. Alternate imaging modes allow for in-depth analysis of intricate, multi-layered bags, while the system's high-resolution imaging makes it easy to distinguish between threatening and non-threatening objects.

With greater clarity and material discrimination, the XIS-7858 increases throughput and accuracy, making it the perfect solution for customs, law enforcement, aviation, and infrastructure.

The Astrophysics XIS-7858 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 SECURITYTM

sales@astrophysicsinc.com | www.astrophysicsinc.com

PEO B.V.

info@gotopeo.com
www.gotopeo.com

The Netherlands

Havenweg 16, 6603 AS Wijchen
+31 (0)24 648 86 88

Belgium

Watermolenstraat 2, B-2910 Essen
+32 (0)3 309 32 09

CoC 34107894

VAT NL807859151B01

IBAN NL29 RABO 0356 1960 46

BIC RABONL2U



GENERAL SPECIFICATIONS

Tunnel Size:	77.8 cm x 58.0 cm
(WxH)	30.6" x 22.8"
Dimensions: ¹	229.3 cm x 100.6 cm x 140.0 cm
(LxWxH)	90.3" x 39.6" x 55.1"
Net Weight: ¹	587 kg (1294 lbs)
Shipping Weight: ¹	861 kg (1898 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	69.1 cm (27.2") 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:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Cooling:	Sealed Di-Electric Oil 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
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Display Type:	Dual 19" Flat Panel Color Monitors
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

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)



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.

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)

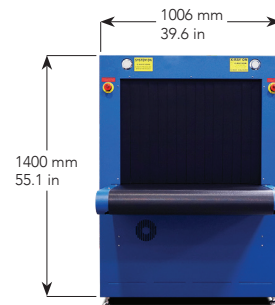
Image Annotation
JPEG Conversion
Print Image Capable

Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics
Baggage Counter

OPTIONAL FEATURES³

Density Alert
Local Language
Safe Passage®
Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection
(TIP) Software

24" Flat Panel Monitors
Custom Paint
Entry/Exit Roller Tables
Environmental Kit
Footmat Operator Interlock
Heavy Duty Casters
Long Conveyor
Radiation Meter
Remote Workstation Configuration



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