

XIS-7858DVS™

PRODUCT HIGHLIGHTS

Dual View X-Ray Generators

Modular Design

Enhanced Imaging™

Enhanced Material Discrimination

High Resolution Image

Real-Time Diagnostics



PRODUCT DESCRIPTION

The XIS-7858DVS™ is a dual view X-Ray Inspection System (XIS) designed to provide maximum object screening with a minimized system profile to accommodate screening facilities with limited space. The XIS-7858DVS™ features dual 180kV generators including a unique side-mounted x-ray generator that can be disassembled and quickly reassembled on-site for simplified installation in confined spaces.

ABOUT ASTROPHYSICS

Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners. Headquartered outside of Los Angeles, CA in the USA, Astrophysics has over 35,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-7858DVS™

GENERAL SPECIFICATIONS

Tunnel Size:	77.7 cm x 57.9 cm
(WxH)	30.6" x 22.8"
Dimensions: ¹	259.7 cm x 134.6 cm x 147.3 cm
(LxWxH)	102.2" x 53.0" x 58.0"
Shipping Dimensions: ¹	297.2 cm x 149.9 cm x 223.5 cm
(LxWxH)	117.0" x 59.0" x 88.0"
Net Weight: ¹	998 kg (2200 lbs)
Shipping Weight: ¹	1157 kg (2550 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	73 cm (28.7") from Floor
Conveyor Capacity:	200 kg (441 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.2 mA
Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	39 mm Typical, 37 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward, Horizontally Sideward

COMPUTER & VIDEO

Platform:	Windows® 11 OS
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD
Display Type:	Dual 24" Flat Panel Monitors
Display Resolution:	1920 x 1200

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, 20 Amp Max 220 VAC +/- 10% 50/60Hz, 15 Amp Max
Power Conditioner:	Uninterruptible Power Supply (UPS) (Computer Operation)

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 & ISO 14001 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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact sales@astrophysicsinc.com for the most updated brochures.

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

Atomic Z-Number Measurement
Geometric Image Distortion Correction
Material Discrimination
Real-Time Image Manipulation

Auto Image Archiving
Image Review
Save Image (RGB)

Baggage Counter

Image Annotation
JPEG Conversion
Print Image Capable

Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

9 Quadrant Zoom
Continuous Scanning
Continuous Zoom Up to 64x
Vertical Zoom Panning

OPTIONAL

Density Alert
8 Color Imaging
Advanced Screener Assist Software
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

Dual 21.5" Flat Panel Monitors
Network Ready
Entry/Exit Roller Tables
Environmental Kit
Footmat Operator Interlock
Long Conveyor
Roller Bed
Radiation Meter
Remote Workstation Configuration

External USB Ports
Conveyor Capacity Load Increase
Variable Conveyor Speed
Artificial Intelligence (AI)



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CHECKPOINT