ASTROPHYSICS™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY

6545VI

High Performance System

Checkpoint Security: Baggage and Parcel Inspection

TRANSPORTATION

Airport entrances and perimeters, air cargo, and checkpoint technology.

PORTS & BORDERS

Border control, sea ports, and other large cargo sectors.

CRITICAL INFRASTRUCTURE

Access control for prisons, courthouses, mailrooms, hotel entrances and military bases.

The 6545VI is undoubtedly the highest performance system in its class. The 6545VI has an upgraded frame with stainless steel accents, tunnel extensions, and service friendly paneling, complete with a Mobile Monitor Stand for a sleek new aesthetic.

With advanced VI software, dual 24" Jitter Free Monitors and a 180 kV generator, the 6545VI generates high definition images with unparalleled clarity and penetration. This technology increases screening reliability and optimizes detection accuracy and throughput.

The 6545VI integrates advanced threat detection, user-friendly interface, mobility, and an inspired design for a high quality product.

With a Windows® 7 Operating System and an Intel iCore 7 Processor, the VI Series features an entirely new computer and system processor. This new platform increases multi-task functionality so the system processes faster and more effectively.

The VI Series provides the latest Data Acquisition System (DAS) for reduced electro-magnetic interference and improved noise immunity. This DAS technology enhances image clarity for better steel penetration and wire resolution.

Finally, VI Software Revision 3.0 increases zoom capability and resolution by utilizing true data so images are not stretched or distorted.

Astrophysics has the fastest delivery times. We offer immediate screening solutions with unparalleled order flexibility and customization.

Astrophysics is headquartered in the United States, but maintains multiple field offices worldwide for localized support.

For your convenience, we retain a dedicated Sales and Service team committed to providing a personalized and timely response.

Backed by a team of experts with more than 100 years of combined industry experience, Astrophysics has the expansive knowledge you expect, all with a focus on X-Ray that assures customers the VI product is the industry best.

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6545VI

GENERAL SPECIFICATIONS

• Tunnel Size: (W x H)	65.1 cm x 45.4 cm 25.6" x 18.0"
• Dimensions[2]: (L x W x H)	217.2 cm x 95.2 cm x 131.0 cm 85.5" x 37.0" x 51.5"
• Shipping Dimensions[2]: (L x W x H)	231.1 cm x 101.6 cm x 158.8 cm 91.0" x 40.0" x 62.5"
• Net Weight:	520 kg (1145 lbs)
• Shipping Weight[2]:	710 kg (1565 lbs)
• Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
• Conveyor Height:	72.8 cm (28.7") from Floor
• Conveyor Capacity:	165 kg (360 lbs) Evenly Distributed Load
• Construction:	Custom Stainless Accents

TECHNICAL

• Sensitivity:	41 AWG Typical, 40 AWG Standard
• Spatial Resolution:	0.5 mm Horizontal, 1.0 mm Vertical
• Steel Penetration[1]:	43 mm Typical, 41 mm Standard
• Contrast Sensitivity:	24 Visible Levels, 4096 Gray Level
• Film Safety:	Guaranteed up to ISO 1600 (33DIN)

X-RAY GENERATOR

• 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
• Detector:	1280 Channels in an L-Shaped Array

COMPUTER

• Processor:	Intel® Core i7
• Memory:	4 GB RAM
• Storage:	500 GB HDD, 120 GB SSD
• Video Card:	1 GB Video Card, Dual Digital Display
• Platform:	Windows® 7
• Backup:	Uninterruptible Power Supply (System Operation- 3 min)

VIDEO

• Display Type:	Dual 24" LCD (Jitter Free) Color Monitors
• Display Resolution:	1680 x 1050; 24 bit/pixel Color

ENVIRONMENTAL

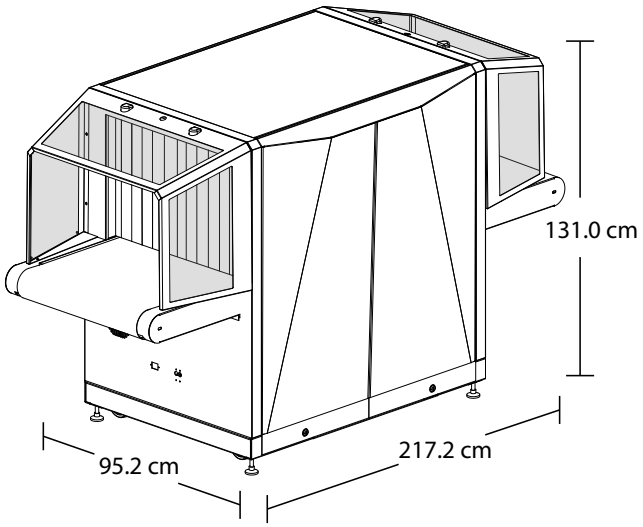
• Operating Temperature:	0°C - 40°C \ 32°F - 104°F
• Storage Temperature:	-20°C - 60°C \ -4°F - 140°F
• Humidity:	Up to 95% Non-Condensing

ELECTRICAL

• Power Requirements:	110VAC± 10%, 50/60Hz, 15 Amp Max 220VAC ± 10%, 50/60Hz, 10 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)



EXCLUSIVE FEATURES

- Stainless Steel Frame Accents
- Mobile Monitor Stand
- Jitter Free High Definition LCD Monitors
- Intel iCore 7 Processor
- Windows® 7 Operating System
- Enhanced Data Acquisition System
- Improved Software Performance and Reliability

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
- Vertical Zoom Panning
- Geometric Image Distortion Correction
- High Penetration Function
- Heavy Duty Roller Casters
- 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
- Reverse Monochrome
- Save Image (RGB)

OPTIONAL FEATURES[3]

- Density Alert
- Entry / Exit Roller Tables
- Footmat Operator Interlock
- Larger Heavy Duty Casters
- Local Language Support
- Image Analysis Program (IAP)
- Image Analysis Program - LITE (IAP - LITE)
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screener Assist Software
- Sloped Conveyor
- Test Case
- Threat Image Protection (TIP)
- Tropical Kit
- Wireless Barcode Scanning

* ASTM: Test 1: AWG 40 / Test 3: 1mm horz/vert Test4: 34mm

[2]Weight and dimensions of the System may vary depending on customization.

[3]Optional Accessories may affect lead time, price, and weight of 6545VI. 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.

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