

VI7

Innovative multi-view imaging technology
Dual-energy baggage inspection system



Seven View Inspection



Surround view display

With a tunnel opening of 62.1cm x 41.7cm (W x H) 24.5" x 16.5" and a single 180kV generator, the VI7 generates a series of 7 high quality images of the screened object, each showcasing a different angle.

The VI7 features a display that rotates through the 7 images, each showing the same bag at a distinctive, unique vantage point. It therefore enhances the operator's 3D awareness and overall depth perception. Items that may have been hidden in one view become clearly visible in another.

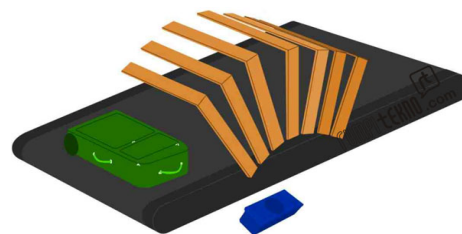
The VI7 "surround view" technology successfully heightens the operator's image interpretation and object identification while speeding up operator throughput and reducing the need for a secondary search.

The Astrophysics Inc VI7 has been developed with funding from the DHS Science and Technology Directorate, under the technical direction of the Transportation Security laboratory Human Factors Program.

Totalpost provide the latest conveyer and cabinet X-ray threat detection equipment. This is coupled with a vast industry knowledge provided through our seasoned and highly professional engineering team.

Totalpost is the exclusive UK and Ireland distributor of the world renowned Astrophysics Inc threat detection range of X-ray security screening equipment.

We offer immediate screening solutions with unparalleled order flexibility and customisation.



XIS - 1517 200KV Specifications

General Specifications

Tunnel size (W x H):	62.1 cm x 41.7 cm 24.5" x 16.5"
Dimensions (L x W x H):	274 cm x 120 cm x 153.3 cm 107.9" x 47.2" x 60.3" (UK specification)
Net weight ² :	1202 kg (2650 lbs)
Conveyor speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor height:	70 cm (27.5") from Floor
Conveyor capacity:	150 kg (330 lbs) Evenly Distributed Load
Construction:	Custom Steel Frame / Panels
Support:	Screw jack levelling feet and heavy duty casters

Technical

Sensitivity:	38 AWG Typical, 36 AWG Standard
Spatial resolution:	1.0 mm Horizontal, 1.0 mm Vertical
Steel penetration ¹ :	41 mm Typical, 39 mm Standard
Contrast sensitivity:	24 Visible Levels, 4096 Gray Level

X-Ray Generator

Voltage:	180kV
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

Imaging

Processor:	Core i5 Quad CPU
Platform:	Windows 7
Memory:	4 GB RAM at 1333MHz
Storage:	500 GB HDD
Video Card:	1 GB, Dual Digital Display
Configuration:	Multi PC data Acquisition and Processing
Detector Arrays:	7 Total
7 Angle Display:	Approx -21°, -14°, -7°, 0°, 7°, 14°, 21° From vertical
Display Method:	"Rocking" Display Mode Cycles 7 Views
Backup:	Uninterrupted Power Supply (20 min)

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)

Video

Display type:	Dual 24" LCD Color Monitors
Display resolution:	1600 x 1200; 24 bit/pixel Colour

Standard Features

- * 6 Colour Imaging
- * 9 Quadrant Zoom
- * Atomic Z-Number Measurement
- * Auto Image Archiving (50,000 images)
- * Baggage Counter
- * Colour and Black/White Imaging
- * Continuous Scanning
- * Zoom up to 64x
- * Vertical zoom panning
- * Edge-Enhancement Imaging
- * Geometric Image Distortion Correction
- * High Penetration Function
- * Image Review (100 images)
- * Manual Bitmap Archive
- * Material Discrimination
- * Multi-Tier Accessibility
- * Network Ready
- * Organic/Inorganic Imaging
- * Operator Training Programme
- * Picture Perfect
- * Print Image Capable
- * Pseudo Colour
- * Real-Time Image Manipulation
- * Real-Time Self Diagnostics
- * Reverse Monochrome
- * Heavy Duty Roller Casters
- * Image Annotation

Electrical

Power requirements:
120VAC: 20 Amp Max
198-230VAC 50/60 HZ: 15 Amp Max

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

Optional Features³

- * ASTM F792-88 stepwedge/ATSM F0792-08 Test Case
- * Custom Paint
- * Climate Variable Operating Kit
- * Entry / Exit Roller Tables (50 cm Increments)
- * Footmat Operator Interlock
- * Heavy Duty Rubber Casters
- * Local language Support (Arabic, Chinese, french, Spanish, and more)
- * Radiation Meter
- * Mobile Monitor Stand
- * Remote Workstation Configuration
- * Screener Assist Software
- * Density Alert

1. As tested on Astrophysics Inc Test Piece.
2. Weight of the system may vary depending on customisation.
3. Optional accessories may affect lead time, price and weight of XIS-5335. Please contact Totalpost for more information. Due to continued product research and development, we reserve the right to amend all technical specifications without prior notice.



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