



PRODUCT HIGHLIGHTS

3D MotionView™ Software

3 Distinct Views

Reduces Blind Spots

Touchscreen Monitor

Adjustable Mobile Stand

Compact Footprint

The VI3D™ is a new class of x-ray scanner. Our exclusive 3D MotionView™ software combines 3 angled views into a “rocking” image that reduces blind spots and enhances threat detection. The VI3D™ generates images with greater clarity, depth, and detail and allows operators to carry out quick, accurate inspections. With these 3 distinct viewpoints and a single generator, the VI3D™ is the only checkpoint system that delivers 3D imaging technology.

Proudly designed and assembled in the United States to the highest quality standards, the VI3D™ features a compact footprint ideal for diverse checkpoint deployment. With a Touchscreen Monitor, Adjustable Mobile Stand and chrome accents, the VI3D™ is a sleek security solution for premier high security sites. The Astrophysics VI3D™ delivers the ultimate in imaging detection technology and is the clear choice for next level security screening.



VI3D™

T O M O R R O W ' S T E C H N O L O G Y F O R T O D A Y ' S S E C U R I T Y™

GENERAL SPECIFICATIONS

Tunnel Size:	60.0 cm x 42.0 cm (WxH) 23.6" x 16.5"
Dimensions: ¹	187.2 cm x 83.3 cm x 140.2 cm (LxWxH) 73.7" x 32.8" x 55.2"
Shipping Dimensions: ¹	214.6 cm x 99.1 cm x 203.2 cm (LxWxH) 84.5" x 39.0" x 80.0"
Net Weight: ¹	796 kg (1754 lbs)
Shipping Weight: ¹	900 kg (1984 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	73 cm (28.8") 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 170kV
Tube Current:	1.2 mA
Cooling:	Sealed Di-Electric bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward

COMPUTER & VIDEO

Platform:	Windows® OS
Memory:	16 GB RAM
Storage Capacity:	1TB HDD, 512 GB SSD
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA
Display Type:	23" Touchscreen Interface
Display Resolution:	1920 x 1080; 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

Film Safety:	Guaranteed up to ISO 1600 (33) DIN)
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)	

STANDARD FEATURES

Adjustable Mobile Stand	Atomic Z-Number Measurement	Multi-Tier Accessibility
3D MotionView™ Software	Material Discrimination	Network Ready
Black/White Imaging	9 Quadrant Zoom	Real-Time Self Diagnostic
Color Imaging	Continuous Scanning	Baggage Counter
Geometric Image Distortion Correction	Continuous Zoom Up to 64x	External USB Ports
High Penetration Function	Vertical Zoom Panning	
Organic/Inorganic Imaging	Auto Image Archiving	
Pseudo Color	Image Review	
Real-Time Image Manipulation	Save Image (RGB)	
Reverse Monochrome		

OPTIONAL FEATURES³

Barcode Scanning
Enhanced Imaging Mode
Local Language
Test Case
Custom Paint
Environmental Kit
Radiation Meter
Remote Workstation Configuration
Uninterruptible Power Supply (UPS)
Conveyor Capacity Load Increase
Variable Conveyor Speed



Astrophysics HQ
+1.909.598.5488

Astrophysics - EMEA
+961.9.832.500/1/2

Astrophysics - INDIA
+91.11.41709990

Astrophysics - ASIA
+63.2.812.0033

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