



NEXT GENERATION 3D TECHNOLOGY

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 to enable 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 manufactured 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, making it the clear choice for next-generation security screening.

PRODUCT HIGHLIGHTS

3D MotionView™ Software

3 Distinct Views

Reduces Blind Spots

Touchscreen Monitor

Adjustable Mobile Stand

Compact Footprint

VI3D™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™



GENERAL SPECIFICATIONS

Tunnel Size:	60.0 cm x 42.0 cm
(WxH)	23.6" x 16.5"
System 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: ²	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:	Touchscreen Monitor
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

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

OPTIONAL FEATURES³

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



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.



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