



ASTROPHYSICS®



IMAGING REDEFINED

The HXC-LaneScan™ is a drive-through x-ray system designed to detect weapons, explosives, and other contraband in motor vehicles, including dually trucks. With a 320kV generator capable of penetrating 65 mm of steel, it allows operators to identify threats in nearly every location of a vehicle, including the wheels, glove box, trunk, and spare tires.

To maximize space, the HXC-LaneScan™ has been designed with a slim 12 ft operating profile that fits easily over existing traffic lanes. Safe for drivers and passengers to remain inside their vehicles during screening, its fully-automated operating system keeps traffic flowing smoothly through vital checkpoints. Proudly manufactured in the United States to the highest quality standards, the HXC-LaneScan™'s ruggedized design can withstand harsh climates found at ports of entry around the world.

PRODUCT HIGHLIGHTS

Fits in Standard Traffic Lanes

320kV Generator

High Resolution Image

Fully Automated with Minimal
Manpower Requirements

Above or In-Ground Installation

Relocatable Option

HXC-LaneScan™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™



GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	305 cm x 320 cm 120.0" x 126.0"
Max Vehicle Size: (WxH)	264.2 cm x 271.8 cm 104.0" x 107.0"
Dimensions (excludes ramp): (LxWxH)	396.0 cm x 366.0 cm x 437.0 cm 156.0" x 144.0" x 172.0"
Scanning Speed (drive through):	Approx. 8 km/hour (5 mph)
Inspection Throughput:	Up to 450 Vehicles/Hour

TECHNICAL

Steel Penetration: ¹	60 mm Standard 65 mm Typical
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X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	320kV
Beam Direction:	Symmetrical Downward
X-Ray Dose (drive through):	0.1 µSv/Inspection at 8km/h

COMPUTER & VIDEO

Platform:	Windows® OS
Backup:	Uninterrupted Power Supply (UPS) (Computer Operation)
Display Type:	32" Curved Monitor
Display Resolution:	4K UHD

ENVIRONMENTAL

Operating Temperature:	-20°C to 50°C / -4 °F to 122°F
Storage Temperature:	-20°C to 60°C / -4 °F to 140°F
Humidity:	Up to 95% Non-Condensing
Ingress Protection Rating:	IP 65

ELECTRICAL

System Power: ⁴	200-240 VAC, Split Phase, 50/60Hz, 30 Amp Max
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HEALTH & SAFETY

In compliance with ANSI 43.17 (Radiation Safety for Personnel Security Screening Systems using X-Ray or Gamma Radiation), ICRP - 60 13-17 (International Commission on Radiological Protection), EU and US Guidelines.

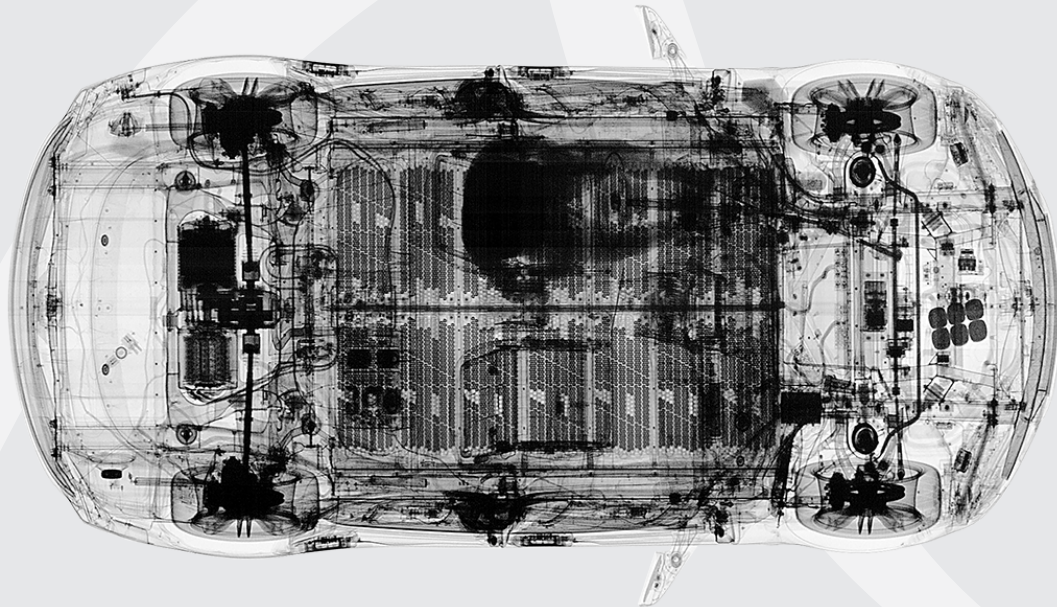


STANDARD FEATURES

Black & White Imaging	Multi-Tier Accessibility
Color Imaging	Network Ready
Material Discrimination	Real-Time Self Diagnostics
Organic Imaging	
Picture Perfect	CCTV Camera System
Pseudo Color	Radar Speed Detector
Reverse Monochrome	Traffic Signal
Auto Image Archiving	
Continuous Zoom up to 64x	
Image Annotation	
Image Review	
Manual Bitmap Archive	
Print Image Capable	

OPTIONAL FEATURES²

Local Language	Control Gate (3 Modes of Operation): Automatic Mode Continuous Mode Manual Mode
Custom Paint	
License Plate Reader	
Radiation Meter	
Ramp (No In-Ground Installation Necessary)	Relocation Option ³ - the system can be relocated to an alternate location as needed.
LED Display	
Remote Workstation	
RFID	
Under Vehicle Inspection System (UVIS)	
Vehicle Size Gauge	



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

¹As tested on Astrophysics Inc. Test Piece.

²Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

³Time for relocation depends on new site and distance from initial install location.

⁴System can be configured to support a different input voltage.

^{*}For regions with warm temperatures, additional insulation is added to the cabinet in order to extend the operating temperature to 60°C. For regions with cold temperatures, a heater option is included with the air conditioning unit. 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.

DCOI 3811 P/N 50-00-PB114-00 Rev. G