



The HXC-LaneScan™ is a drive-through x-ray system designed to help detect weapons, explosives, and other contraband in motor vehicles. With a 320kV generator capable of penetrating 75 mm (3") of steel, it allows operators to identify threats in nearly every space of a vehicle, including the wheels, glove box, trunk, and spare tires.

To maximize space, the HXC-LaneScan™ has been designed with a slim 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.

The Astrophysics HXC-LaneScan™ is designed and assembled in the United States to the highest quality standards. Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

PRODUCT HIGHLIGHTS

Slim Operating Profile

320kV Generator

High Resolution Image

Fully Automated with Minimal
Manpower Requirements

Optional Features Available,
Such as a Ramp
(Avoiding In-Ground Installation)

HXC-LaneScan™

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: (WxH)	305 cm x 310 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	75 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:	28" Flat Panel Color Monitor
Display Resolution:	Ultra HD3840 x 2160; 24 Bit/Pixel Color

ENVIRONMENTAL

Operating Temperature:	-20°C to 50°C / -22 °F to 122°F
Storage Temperature:	-20°C to 60°C / -40°F to 140°F
Humidity:	Up to 95% Non-Condensing

ELECTRICAL

System Power:	200-230 VAC, Single 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.

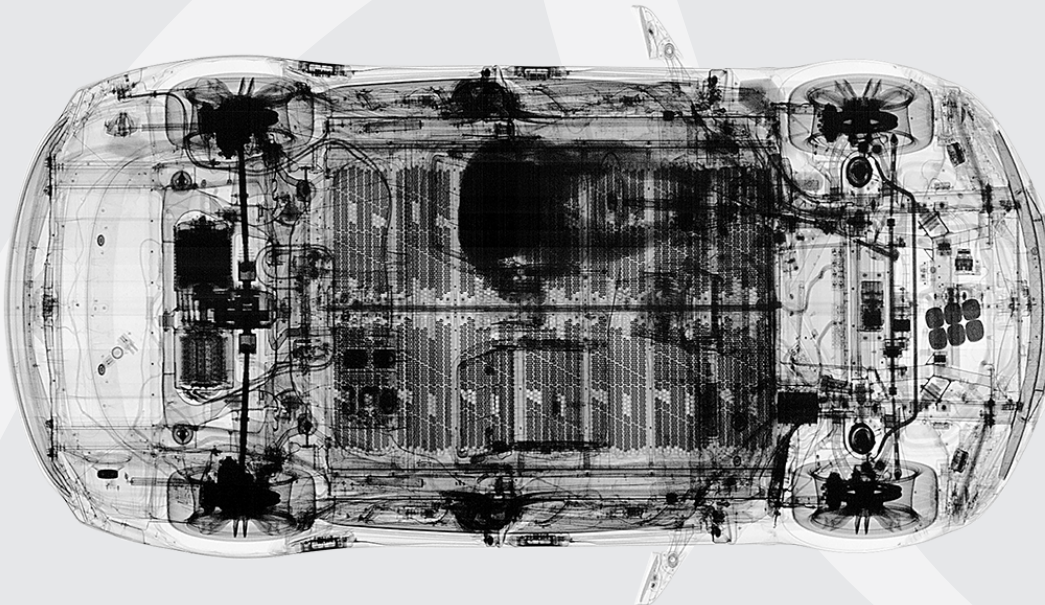
STANDARD FEATURES

Color Imaging	Multi-Tier Accessibility
Black & White Imaging	Network Ready
Reverse Monochrome	Real-Time Self Diagnostics
Material Discrimination	
Organic Imaging	CCTV Camera System
Picture Perfect	Radar Speed Detector
Pseudo Color	Traffic Signal

Continuous Zoom up to 64x
Auto Image Archiving
Image Review
Manual Bitmap Archive
Image Annotation
Print Image Capable

OPTIONAL FEATURES²

Local Language	Control Gate (3 Modes of Operation) Automatic Mode
Custom Paint	Continuous Mode
License Plate Reader	Manual Mode
Radiation Meter	
Ramp (No In-Ground Installation Necessary)	
Remote Workstation	
Under Vehicle Inspection System (UVIS)	
LED Display	
RFID	



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.

*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.