

# HXC-LaneScan™



## PRODUCT HIGHLIGHTS

Drive-Through Portal

Slim Operating Profile

320kV Generator

High Image Resolution

Fully Automated with Minimal Manpower Requirements

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

The HXC-LaneScan™ is a drive-through portal designed to help detect weapons, explosives, and contraband in motor vehicles. With a 320kV generator capable of penetrating 65 mm (2.6") of steel, it allows operators to identify threats in nearly every space of a car or truck, including the wheels, glove box, trunk, and spare tires.

To maximize space, the LaneScan has been designed with a slim operating profile that fits easily over existing vehicle 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. For nearly twenty years, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

**TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY™**

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**GENERAL SPECIFICATIONS**

Tunnel Size:	305 cm x 320 cm
(WxH)	120" x 126"
Max Vehicle Size:	264.2 cm x 271.8 cm
(WxH)	104" x 107"
Dimensions (excludes ramp):	396 cm x 366 cm x 437 cm
(LxWxH)	156" x 144" x 172.08"
Scanning Speed (drive through):	Approx. 8 km/hour (5 mph)
Inspection Throughput:	Up to 225 Vehicles/Hour

**TECHNICAL**

Steel Penetration: <sup>1</sup>	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 uSv/Inspection

**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:	-40°C to 50°C / -40°F to 122°F
Storage Temperature:	-20°C to 60°C / -4°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**

Picture Perfect  
Pseudo Color  
Real-Time Image Manipulation  
Reverse Monochrome

Material Discrimination

Continuous Zoom

Auto Image Archiving  
Image Review  
Manual Bitmap Archive  
Image Annotation  
Print Image Capable

Multi-Tier Accessibility  
Network Ready  
Real-Time Self Diagnostics

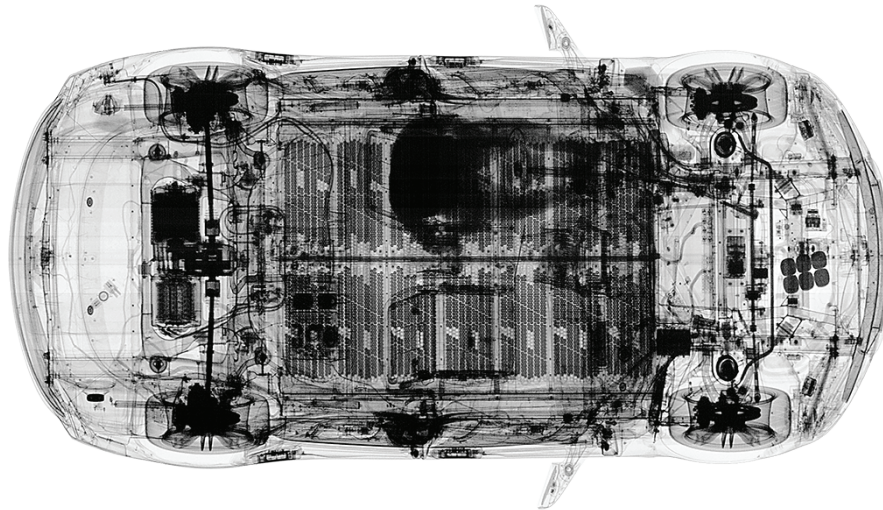
CCTV Camera System  
Radar Speed Detectors  
Vehicle Counter

**OPTIONAL FEATURES<sup>2</sup>**

Climate Operating Kit\*  
(Extend Operating Temp Range)  
Local Language

Custom Paint  
Gate Inspection  
License Plate Reader  
Radiation Meter

Ramp (No in Ground Installation  
Necessary - Capacity 3500kg/7716lbs)  
Remote Workstation with Fiberoptic  
Connection  
Traffic Signals  
Under Vehicle Inspection Camera  
System (UVIS)



ISO 9001: Certified

<sup>1</sup>As tested on Astrophysics Inc. Test Piece.

<sup>2</sup>Optional 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.

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