

HXM-MobileScan™



PRODUCT HIGHLIGHTS

User-Defined Interchange for Integrated Networking

Enhanced Material Discrimination

Automated Deployment System

320 mm Steel Penetration

Real-Time Image Manipulation

The HXM-MobileScan™ is a mobile cargo scanner designed for screening fully-loaded trucks, shipping containers, and delivery vehicles. Its high-powered generator provides 320 mm of steel penetration and allows operators to quickly check and verify shipping manifests. Wireless integrated networking capabilities enable it to share and transmit images, and its automated deployment system is simple to operate.

Designed around a rugged trucking platform, MobileScan is a flexible security solution for ports and border crossings. Moving quickly between stationary vehicles, it can process up to 25 cargo containers every hour, making it the perfect choice for rapid and effective cargo inspections.

The Astrophysics HXM-MobileScan 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.

GENERAL SPECIFICATIONS

Truck Type: Mercedes Benz, Volvo, or Other
 Tunnel Size: 3.6 m x 4.8 m
 (WxH) 141.7" x 188.9"
 Dimensions:¹ 12 m x 2.5 m x 4 m
 (LxWxH) 472.4" x 98.4" x 157.4"
 Source Tire Cut-off: 30 cm Above the Ground

SCAN DRIVE

Type: Fully Electric, Direct Drive to Axle
 Speed: 0.12 m/s, 0.2 m/s, 0.3 m/s

X-RAY SOURCE

A 6MeV Linear Accelerator with Ultra Low-Leakage (10⁻⁶)

PERFORMANCE

Throughput: 25 Standard 40' (or 20m Long) ISO
 Cargo Containers per Hour
 Steel Penetration: 320 mm Typical, 300 Guaranteed
 Spatial Resolution: 4 mm
 Contrast Sensitivity: 1.5%, Guaranteed
 (1.5 mm Plate Behind 100mm of Steel)
 Wire Resolution: 1 mm Wire in Air

COMPUTER & VIDEO

Platform: Windows® OS
 Display Resolution: 4K Resolution

ENVIRONMENTAL

Operating Temperature: -10°C to 50°C / 14°F to 122°F
 Storage Temperature: -20°C to 60°C / -4°F to 140°F
 Humidity: 10% to 95% Non-Condensing

POWER REQUIREMENTS

Power Supply: 30KVA Diesel Generator, 220V, 50Hz
 Transformer: 30KVA Isolation Transformer, 220V, 50Hz

HEALTH & SAFETY

Meets applicable international standards and regulations of health and safety including U.S. Code of Federal Regulations 21 CFR 1020. 40 for cabinet X-ray systems.
 Complies with International Standards and Regulations on Health and Safety.
 Wireless infrared (IR) perimeter fence (the exclusion zone is 38m x23m).
 CCTV and DVR
 Safety interlocks for scan speed, boom position, source positions, doors, e-stops, wireless boundary.
 Radiation dosage less than 0.1mR/hr (1µSv/hr) average in driver's cab, operator control room, and outside exclusion zone.
 Radiation dosage to cargo less than 0.5mR (5µSv)



¹Weight and dimensions of the system may vary depending on customization.
²Optional features may affect lead time, price, and weight of system. Please contact your Astrophysics Sales Representative for more information.

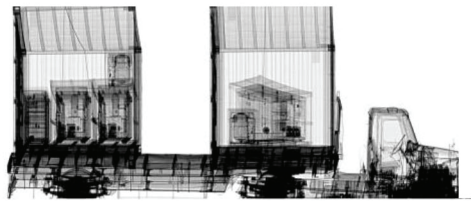
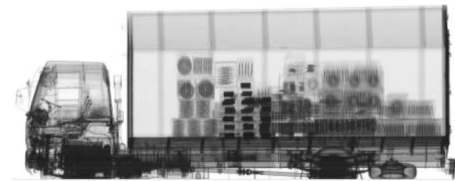
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

STANDARD FEATURES

- Black/White Imaging
- Picture Perfect
- Pseudo Color
- Reverse Monochrome
- Edge Enhancement
- Continuous Zoom Up to 64x
- Auto Image Archiving
- Image Review
- Management System
- Manual Bitmap Archive
- Image Annotation
- Print Image Capable
- Multi-Tier Accessibility
- Network Ready
- Real-Time Self Diagnostics
- CCTV Camera System
- Inspection Workstation
- Operator Workstation

OPTIONAL FEATURES²

- Material Discrimination
- Local Language
- Higher Archiving Capacity
- Additional Image Analyst Workstation
- Container Plate Reader
- Custom Paint
- Environmental Kit
- Inspection Office
- Operator Training
- Radiation Meter
- Remote Inspection Workstation
- Truck Plate Reader



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