

Scan-X ultraSCAN™

Portable X-ray System



www.scanxsecurity.com

Introduction

Ultra-thin, high resolution portable imaging

Our ultraSCAN™ range delivers ultra-high imaging performance in an ultra-compact portable X-ray imaging system using proprietary Amorphous Silicon sensor-panel imagers.

ultraSCAN™ is compatible with Golden Engineering's pulsed x-ray sources using isis™ image processing from a Windows™ 7 laptop or tablet.

- Unique auto-exposure detection feature
- Industry-leading imaging performance
- Direct radiography, real-time images
- Rapid deployment, easy to use, rugged
- Near-edge imaging
- Compatible with Golden Engineering pulsed X-ray sources

Highlights

The complete Scan-X ultraSCAN™ system comprises:

Your choice of portable X-ray generator, and your selected ultraSCAN™ module:

- Ultra-thin detector panel (range of sizes available)
- Rugged portable carry case (range available)
- Portable X-ray generator
- Operation and maintenance manual
- Computer with isis™ software (range available)
- Selected options and accessories

Applications

Analysed images' range of ultraSCAN™ portable X-ray scanners is suited to a variety of applications, including...

- Security Inspections
- Search Operations
- Wall Inspections
- Suspicious Baggage Checks
- IEDD
- Explosives Detection
- Weapons Detection
- Customs and Border Controls First
- Responder Inspection
- Archeological Site Inspections
- Art Research
- Construction Sectors

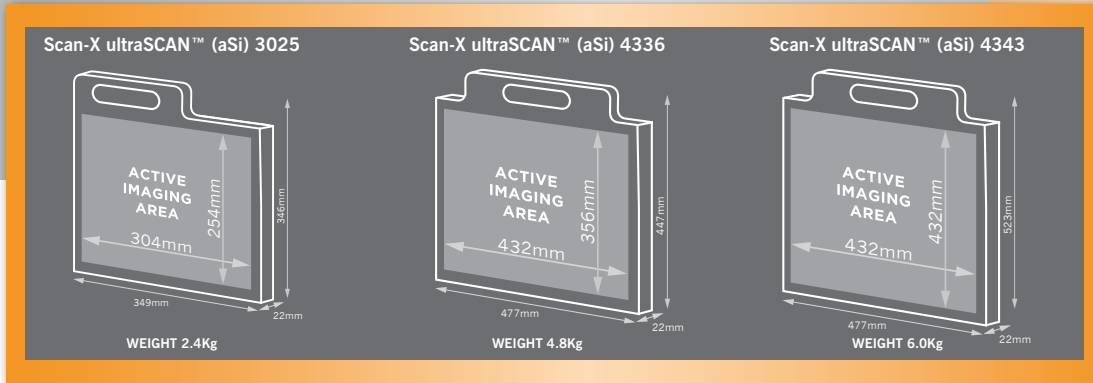


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Imager

Imaging category	Direct radiography
Detector type	a-Si digital detector array
Power supply	110-250VAC, Removeable rechargeable battery
Battery life (unit switched off)	> 15 days from full charge
Battery life (continuous use)	> 4 hours from full charge (with AED)
Communications	802.11n, GigE
Operating temperature	10 °C – 35 °C
Storage temperature	0° C to +55° C / -10° to 70°C
Construction	Carbon fibre, aluminium and acetal
Near-edge imaging	3 sides (min. 22mm standard, 14mm option available)
A/D conversion / dynamic range	16 bit
Pixel pitch	0.1mm
Image processing software	isis™
Image scan time	Instantaneous

Key Options

Ruggedised kit	✓ (standard)
Encrypted wireless communications	✗
Automatic X-ray exposure detection	✓ (standard)
Digital Wireless System - connects laptop to ICU/imager	✓ (802.11n)
Ruggedised laptop / MIL-grade laptop / tablet	✓
Dual Energy Module for materials discrimination	✓
Automatic Defect Recognition (ADR)	✓

Note: The appearance and specifications are subject to actual product.
Image performance specifications are based on test piece complying with GB 15208.2-2006.



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