

The ultraSCAN™ range of compact portable X-ray systems delivers ultra-high quality X-ray images from a thin digital panel within seconds of the operator's first approach to the suspect object.

ultraSCAN™ is simple and easy to operate, is rapidly deployable and remotely controlled for safe operator inspection.



FEATURES

- Ultra thin ruggedised detector panels
- Unique auto exposure detection feature
- Near-edge imaging
- X-Vision™ software
- Direct radiography real-time images
- Cable and wireless options
- Ruggedised portable carrying case options
- Compatible with pulsed X-ray sources

APPLICATIONS

- C-IED
- Customs & Border Controls
- Search Operations
- Suspicious Baggage Checks
- Site Inspections
- First Responder Inspection
- Security Inspections
- Wall Inspections
- Explosives & Weapon Detection
- NDT

THE COMPLEX ultraSCAN™ SYSTEM COMPRISES

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

Ultra thin rugged detector panel (range of sizes available)

Computer with X-Vision™ software

Communication module (wired and/or wireless)

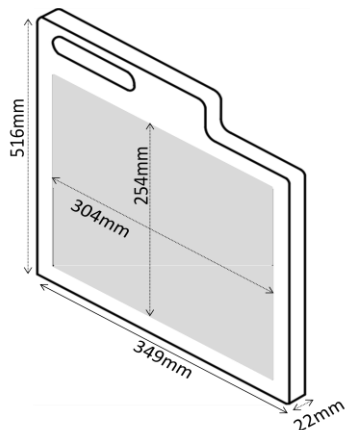
Rugged portable carry-case (range available)

Selected options and accessories



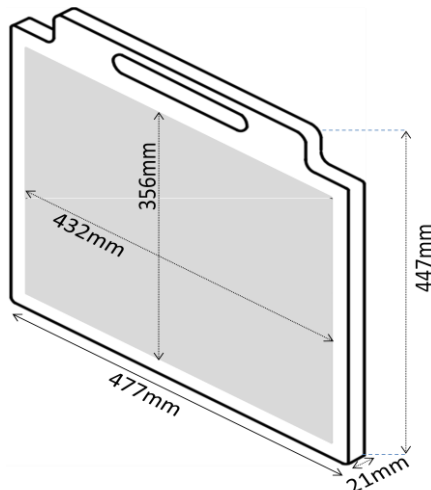
ultraSCAN™ Physical Specifications

ultraSCAN™ 3025



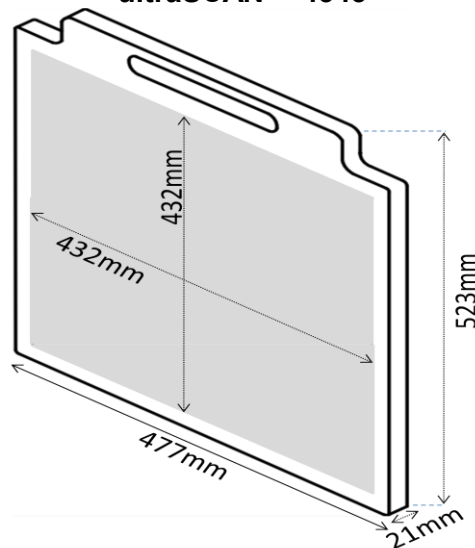
Pixels: 7.7mln (3036 x 2540)
Weight: 2.4kg

ultraSCAN™ 4336



Pixels: 15.3mln (3556 x 4320)
Weight: 5.1kg

ultraSCAN™ 4343



Pixels: 18.6mln (4320 x 4320)
Weight: 6.0kg

SUMMARY OF ultraSCAN™ PERFORMANCE

General

Imaging category	Direct radiography
Detector type	a-Si digital detector array
Image scan time	2 seconds

Imaging Resolution

Dynamic range	16 bit
Pixel pitch	100µm (0.1mm)

Near-edge imaging

Non-active area	22mm on 3 sides
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Software

Operating system	Windows™ 8.1 Pro x64
Image processing	X-Vision™

Imaging Station

Integrated with a variety of notebooks/tablets, including touch-screen

Battery Life

Continuous use	> 4 hours from full charge
Standby	> 20 hours from full charge
Unit off	> 15 days from full charge

Environment

Operating temperature	10°C to 35°C
Storage temperature	-10°C to + 55°C / -10°C to 70°C

Construction

Construction	Carbon fibre, aluminium and acetal
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Standards

CE	EN60068-2-6/27, EN60529:1991
Ingress Protection	IP42 (EN60529:1991+A1:2000)

Generator

Integrated with a variety of X-ray sources (pulsed and continuous)

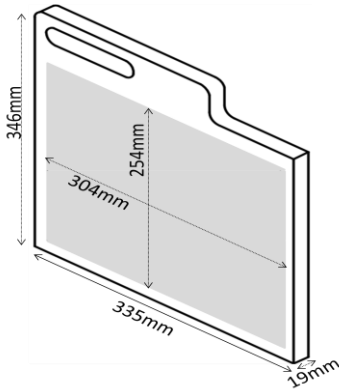
KEY OPTIONS

Selection of carry cases incl. backpack
Wired and wireless communication modules
Ruggedised notebook / tablet
Touch-screen notebook / tablet
Auxiliary power supply (AC & DC power)
Vehicle power pack

Remote trigger
Protective sleeve
Combined data & power cable
Clamp stand
Dual energy module for materials discrimination
Automatic defect recognition software

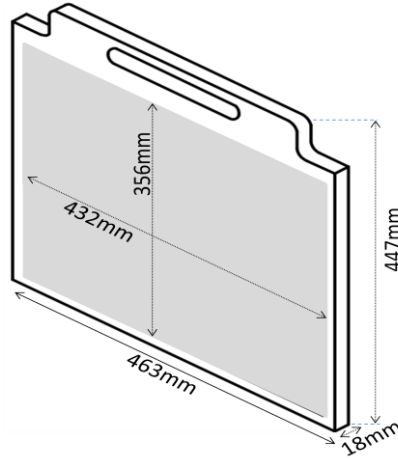
ultraSCAN™ Physical Specifications

ultraSCAN™ 3025L



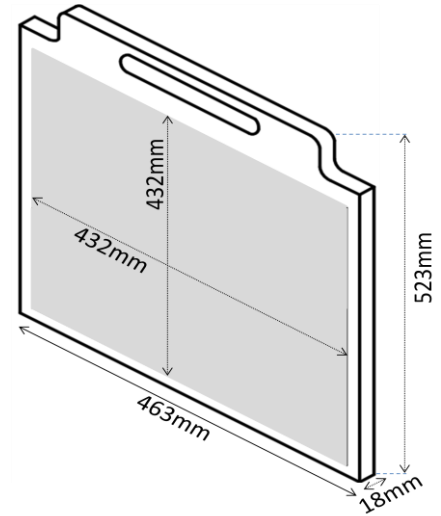
Pixels: 7.7mIn (3036 x 2540)
Weight: 2.2kg

ultraSCAN™ 4336L



Pixels: 15.3mIn (3556 x 4320)
Weight: 4.9kg

ultraSCAN™ 4343L



Pixels: 18.6mIn (4320 x 4320)
Weight: 5.7kg

SUMMARY OF ultraSCAN™ (L) PERFORMANCE

General

Imaging category	Direct radiography
Detector type	a-Si digital detector array
Image scan time	2 seconds

Imaging Resolution

Dynamic range	16 bit
Pixel pitch	100µm (0.1mm)

Near-edge imaging

Non-active area	15.5mm on 3 sides (ea)
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Software

Operating system	Windows™ 8.1 Pro x64
Image processing	X-Vision™

Imaging Station

Integrated with a variety of notebooks/tablets, including touch-screen

Battery Life

Continuous use	> 4 hours from full charge
Standby	> 20 hours from full charge
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