

# SCANWEDGE portable flat panel digital x-ray system



- Extremely Rugged, with no moving parts or mirrors, giving greater reliability in the field.
- Scanwedge Lite model offers you a very lightweight system that you easily can carry on your back.
- 5 hours battery operation in the field. No reliance on mains power in the field. Greater flexibility for operations.
- Thinnest imaging panel. Less than 1" thick!



Scanwedge Lite

**SCANWEDGE** is a multiple application portable x-ray viewing system used by police, military, EOD, customs, law enforcement agencies, prisons and security managers.

- Fast and Easy to Set up so you can search and examine suspect items on the spot in less than 2 minutes.
- Flat panel is less than 1 " thick which allows **SCANWEDGE** to be used even in the most confined spaces giving you increased flexibility.
- Can be used from different orientations and can capture images through a wall. Stands alone, against a wall, or on a robot mount.
- Easily Integrates with existing portable x-ray devices such as Golden XR 50, XR200 and XRS-3, so you can upgrade your old film or conventional CCD portable x-ray unit quickly, easily and cost effectively.
- 2 sizes: compact 25 x 20cm and larger 33 x 25 cm.
- Image analysis tools include zoom, reverse black and white, pseudo-colour, pseudo 3-D, sub image, sum and measure giving operators access to more detailed image information.
- Save and annotate images using the incident management tools, great for a second opinion or recording for forensic purposes.



**SCANWEDGE LITE.** All you need for x-ray inspection in a lightweight backpack.



**SCANWEDGE** operated from a vehicle. Transit case provides a complete working platform.



**SCANWEDGE** being set up to check a suspicious package in a carpark.



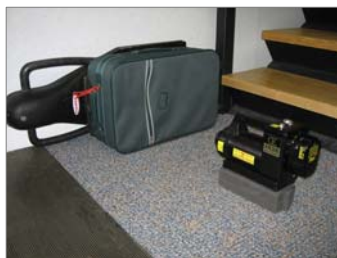
Optional handheld PDA x-ray viewer fits in your pocket for extra portability.



**SCANWEDGE 2520** positioned on its side behind pipe bomb.



**SCANWEDGE 2520** can be used under a vehicle right up against the tyre. Panel less than 1" thick!



Large Coverage **SCANWEDGE 3325** used to scan an abandoned suitcase against a wall.



**SCANWEDGE** being positioned by ROV. Brackets available to adapt to all ROVs.

# Technical Specifications



## SCANWEDGE standard configuration:

- XR200 X-ray Generator
- Laptop PC running windows XP
- ScanWedge 2520 flat panel imager
- Interface box
- 50 metre cable drum and optional wireless control
- Spare Generator Battery
- Battery Charger
- Instruction manuals
- Rugged Transportation Case

## Additional Options:

- Wireless (WIFI) Capability
- Range of Carry Cases
- XR150 or XRS-3 generator
- Backpack version – Scanwedge Lite
- Ultramobile (PDA) option
- Ruggedised laptop for tough environments
- Multi-lingual software
- High Resolution Asi Flat Panels
- Reusable Digital Imaging Plates



Notebook pc unit

Screen	Active Matrix 15" TFT Colour
Processor	Pentium Dual Core, 1.6 Ghz
Drives:	Hard Disk 40 Gb min 3.5" floppy CD ROM with CD/DVD
Memory	512 Mb RAM expandable
Operating System	Windows XP
Image Storage	Exceeds 32,000 stored images in .bmp or .jpg
Power Source	220VAC 50 Hz or Rechargeable Battery
Record & Export Facility	Video, Audio & Data, Fax, LAN & Modem 56K
Image Enhancement	Rotate, Zoom, Invert b/w, pseudo colour, Pseudo 3-D, measurement in mm or inches



X-ray Generators

Standard Source	<b>XR200:</b> pulsed X-ray with 40 beam angle 150kV maximum energy, 23 microsievert output dose per pulse at 1m. 0.028 microsievert behind beam Penetration: 15mm steel. 36 AWG or 32 AWG behind 3mm steel 5.5 kgs with battery
Option 2	<b>XR150:</b> 150kV maximum energy Penetration: 15 mm steel 2 kgs with battery
Option 3	<b>XRS-3:</b> 300kV maximum energy Penetration: 25 mm steel 5.5 kgs with battery



## ScanWedge 2520 - compact

Standard Image Area	25 x 20 cm (10 x 8 ")
Camera Type	High Performance CCD
Camera Resolution	582 x 752 pixels
Weight	3.9 kgs
Height x Width	54 x 27.5 cm
Depth (top)	2.4 cm
Depth (dome area)	9 cm
Depth (imaging area)	1.8 cm

## Tools

- Accumulation of Pulses (Summing)
- X-ray pulse activation with audible and visual Warning during X-ray activation
- Visual database of x-ray images including name, date, category, place, file name including Query and Sort in database and Vocal Annotation
- Email, Fax and Print
- Battery Monitor
- User login



## ScanWedge 3325 - large coverage

Standard Image Area	33 x 25 cm (13 x 10 ")
Camera Type	High Performance CCD
Camera Resolution	582 x 752 pixels
Weight	11 kgs

## Image Processing

- Inverse Image, Pseudo Colour, Pseudo 3D, Clean, Sharpen, Smooth, Rotate, Edge Enhancement, Shape Region, Select Region, Measure, Summing, Digital Zoom
- Brightness/Contrast, Gamma Correction, Histocontrast, Overlay, Grid Overlay, Copy/Paste, Multiple Undo, Image Restore