



SCANTRAK

Portable X-ray System

**Multiple application,
portable digital x-ray unit**

Portable

Easy to Set Up

Powerful Imaging Tools

Digital Image Transmission

Scantrak digital portable x-ray system



Scantrak is a multiple application portable digital x-ray unit used by police, military, EOD, customs, law enforcement agencies, prisons and building security managers for security checking unattended bags and suspicious packages.

Scantrak is easily set up and deployed in minutes by one person and can be configured to suit different environments. It comes with a choice of x-ray sources, adjustable exposure settings, different size ICUs and has both wireless and ROV capabilities. The entire portable x-ray unit can be ruggedised for military applications.

Scantrak's powerful image enhancement software allows fast evaluation and identification of hard-to-detect objects.

x - r a y g e n e r a t o r s

Scantrak comes with three permutations of x-ray generators, dependent upon the requirements of the task and specifications of the job.



Option 1:

XR200 Standard Generator

Applications: Police, General Security, Post Blast Investigation, NDT

Penetration: 15mm steel

Pulses per charge: 4,000

Dimensions: 31.75 (l) x 11.5 (w) x 19 (h) cm.

Weight : 5.5 kgs with battery



Option 2:

XR150 Lightweight Generator

Applications: Special Forces, Light Duty Applications

Penetration: 15mm steel

Pulses per charge: 1,500

Dimensions: 10.4 (l) x 8 (w) x 27.3 (h) cm.

Weight : 2 kgs with battery



Option 3:

XRS-3 Heavy Duty Generator

Applications: Military, UXO Inspection, Light Medium Industrial Applications

Penetration: 26 mm steel

Pulses per charge: 4,000

Dimensions: 35.5 (l) x 11.5 (w) x 19 (h) cm.

Weight : 5.5 kgs with battery

notebook and PC unit

Notebook Options

Compact Netbook or Tablet PC
Ruggedised Laptop or Tablet PC



PC control unit minimum specifications

15.4" WXGA Screen (1280x800) Glare / WSXGA+ (1680x1050) Glare
Intel P8400 Core 2 Duo 2.26Ghz 1066FSB 3MB Mobile
Vidia GeForce Go 9600M GT 512MB Video
2Gb DDR2 800 Memory
Serial ATA Hard Drive, up to 500GB
160Gb Hard Disk Drive
DVD+/-RW Drive
Card Reader
Optional 802.11n Wireless LAN
RJ-45, USB, VGA
10/100 LAN
Windows XP Professional (English)

PC Tools

X-ray Generator and Pulse Selection, X-ray Pulse Activation, Accumulation of Pulses (Summing), X-ray Image Database: Searchable by Name, Date, Category, Place, Filename, X-ray generator, Operator, Create New Incident, Read Incident Notes, Define, Delete Operators, Database backup function, Retrieve image from database, Import Image from windows folder, Export Image as tiff, jpg, bmp to windows folder, 800% zoom, Image Annotation (text and vocal), 1:1 Image printing with notes, Email Image

Image Processing Tools

Inverse polarity/negative image, Pseudo Colours, Sub-Image (select a region of interest), Image Rotate, Mirror and Flip Image, Sharpen Image, Soften Image, Clean Image, Histogram Equalisation, Histocontrast, Adjust Brightness and Contrast, Gamma Correction. 3D/Emboss, Measurement, Grid Overlay, Multiple Undo/ Image Restore, Copy/Paste, Shaped Regions, Image Stitching

image capture unit

Dependent on the typical size of the objects likely to be scanned Scantrak has four permutations of image capture units. In addition to the standard sizes custom sized units are also available.



Standard image area

Standard ICU: 8" x 10" (20 x 25 cm)
Dimensions: 18 (d) x 33 (w) x 34 (h) cm
Weight : 6 kgs

Larger Image Area Options

Medium ICU: 10 x 13 " (25 x 33 cm)
Large ICU: 11 x 15 " (28 x 38 cm)
X Large ICU: 13 x 17 " (33 x 43 cm)

Camera type: High performance CCD
Resolution: 582 x 752 pixels
Battery Life: 3 hours

Options

Multi language and Wireless

SCANTRAK

features and benefits

Portable.

Portable and easy to set up and use in 2 minutes.

Compact, Compatible and Easy to Use.

Search and examine suspicious packages or unattended bags on the spot. Scantrak works with most portable x-ray sources including Golden XR150, Golden XR200, Golden XRS-3 and also recommended continuous x-ray sources.

Image Enhancements and Options.

Image analysis includes zoom, reverse black and white, pseudo-colour, pseudo 3D and measure, show gradients, rotation, distance, contrast enhancement and more. Scantrak allows you to print images and email and archive in excess of 32,000 images on pc or cd.

Applications

Bomb Disposal
Suspect Package Investigation
Check Unattended Bags
Search for Narcotics and hidden Contraband
Searching behind walls for Bugs/Weapons
Vehicle Panel/Tyre Inspection
NDT (Non-Destructive Testing)

Image processing features

Zoom, inverse image, b/w, pseudo colour, pseudo 3D, contrast enhancement, clean image, rotation, distance, measure and show gradients. Scantrak is also available with multi-lingual imaging software and operating guides. A range of annotation tools allow you to insert text, notes and highlight suspect areas.

Database features

Scantrak's database software allows you to store over 32,000 images on hard disc or CD. Live and stored images can be exported by email or across a network via built in modem.

Image Stitching

Scantrak's image stitching feature enables multiple images to be stitched together to provide a large format image enabling larger objects such as packaging boxes, unattended luggage and even vehicles to be x-rayed and viewed as a single image.

Options

Wireless (802.11G Wi-Fi) x-ray fire and image transfer
Cables: 50m standard, 100m, 150 m options
Range of ICU sizes
Peli style transport case or backpack
Multi- Lingual Versions
External Camera



ROV Compatible

ScanTrak is also compatible with many Remote Operated Vehicles.



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Due to our policy of continuous design and development, specifications are subject to change without notice.

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