

Scantrak

Digital CCD Portable X-ray System



*security
screening
x-ray
imaging*

Scantrak is a portable digital X-ray system with a range of different sized image capture units (ICUs). It is used by a variety of users which include police, military, customs and public safety agencies as well as prison and facility managers to search and examine items safely in situ.

Scantrak is easily set up and deployed within minutes by one person and can be configured for a variety of operating environments. It is supplied with a choice of X-ray generators, different size Image Capture Units (ICUs), standard, notebook or ruggedized laptops and has wireless and ROV capabilities. Operators can control the X-ray generator and capture images safely from the laptop using proprietary Scanview software. Images are transmitted instantaneously via a data transmission cable or through an optional wireless network. Multiple exposures can be taken without the need to re-approach the target. Scanview software allows images to be enhanced, stitched, rotated and stored for evidential purposes. Areas of interest can be isolated for closer scrutiny while measurement and grid tools help with Bomb Disposal tasks. Images can be annotated and exported in windows formats for report writing or printing.

FEATURES

Imager Size

The Scantrak 10 has an imaging area of 8"x10" with an overall size of 7"x13"x13.5". It weighs 13.2 lbs and has a screen resolution of 582x752 pixels,

Simple design

Scantrak is designed to be easy to set up and use. It combines just three core components - ICU, X-ray generator and laptop with no separate Interface box nor external battery pack required. Data is transmitted from the ICU to the laptop via standard Ethernet cable.

Battery Operation

Scantrak systems are fully portable and all components will operate independently using a battery pack for up to 5 hours with no reliance on mains power. The charging system is integrated within the system case allowing simultaneous charging of all system components.

Laptop Options

- Scantrak is supplied with a high performance laptop running Windows 7 Professional 32 bit. Minimum spec: Intel Dual Core Processor, 500 GB Hard Drive, 4 Gb Memory.
- Other brand name variants and ruggedized MilSpec models with foreign keyboard and OS options are available.
- Wireless option (802.11G)



Safe

The X-ray Generator is controlled from a distance using the system's Scanview software. Multiple X-rays of varying exposure times can be taken in seconds without the need to re-approach the target.

Integrates with other EOD Components

Scantrak is compatible with the complete range of safe pulsed generators and can also be used with industrial CP generators making a straightforward upgrade from Polaroid film. Imagers and X-ray generators can be mounted and integrated with most modern Remotely Operated Vehicles (ROVs).

No processing nor consumable costs

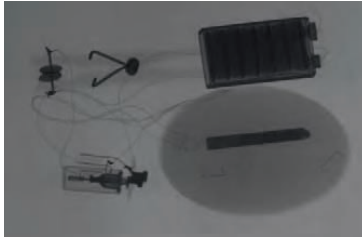
Upgrading to Digital DR imaging from Polaroid film means no more expensive processing and consumables costs and the ability to store and manage X-ray images digitally for better and easier report writing and record keeping.

Options

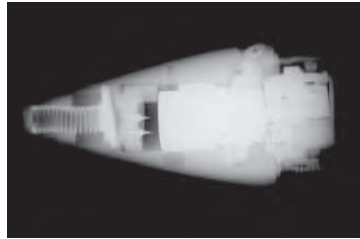
- Wireless Image Transmission 802.11g
- Wireless X-ray Trigger
- 50/100/150 m Cable Extensions
- Custom Cases and Backpackable Systems
- Foreign Language Software
- ROV Robot Integration
- Imager and Generator Tripod Mounts
- External Camera

Scantrak

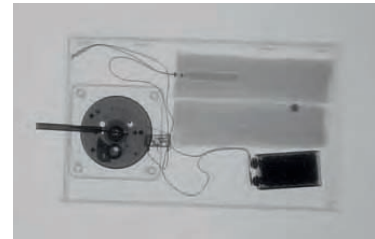
Postal Bomb Identification



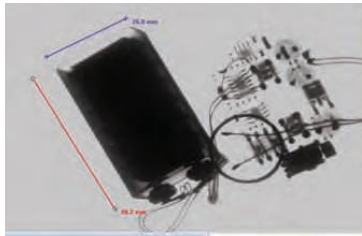
EOD Tasks



IED Identification



Measurement Tools



3D style image



Stitch Images



Technical Specifications - Portable X-ray Generators

X-Ray Generator Options



XR200 Standard Generator

Applications:	Police, General Security, Postal Blast Investigation
Penetration:	15mm steel
Pulses per charge:	4,000
Dimensions:	31.75 (l) x 11.5 (w) x 19 (h) cm
Weight:	5.5kgs with battery



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



XRS-3 Heavy Duty Generator

Applications:	Military, Counter IED, UXO Inspection, TSCM, NDT
Standard Penetration:	26mm steel
Pulses per charge:	4,000
Dimensions:	35.5 (l) x 11.5 (w) x 19 (h) cm
Weight:	5.5kgs with battery

Scanview X-ray Imaging Software Features:

- X-ray Generator selection
- X-ray pulse setting
- X-ray pulse Activation
- X-ray Firing Delay
- Password Controlled Safety Timeout
- Accumulation of Pulses (Summing)
- Audible and Visual Warning during X-ray activation
- Incident Reference Creation
- Visual database o_ X-ray images including name, date, category, place, file name
- Ability to back up database
- Query and Sort in database
- Compact Database
- Digital Zoom
- Vocal annotation
- Email option
- Battery Monitor
- User login
- Print, Fax
- On-Screen Help
- Multiple Zoom including zoom thumbnail window
- Zoom to region of _ interest
- Inverse (polarity) image
- Pseudo Color Images
- 3D (Emboss) Image
- Sharpening
- Smoothing
- Edge Enhancement, Find Edges
- Clean
- Brightness and Contrast
- Gamma Correction/Stretch
- Import/Export Images
- Shaped Regions
- Select Region
- Annotate Images, Save Annotations
- Sub-image
- Rotate, Flip and Mirror image
- Histogram Equalization
- Histocontrast
- Overlay, Copy/paste
- Multiple Undo, Image Restore
- Measure (multiple units)
- Calibrate measurements
- Summing
- Image Stitching and Cropping
- Grid Overlay
- Save to windows image formats
- Foreign language options

