WITHOUT COMPROMISE
Cutting edge screening and detection solutions.

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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 building 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 ruggedised 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 whilst measurement and grid tools help with Bom disposal tasks. Images can be annotated and exported in windows formats for report writing or printing.

Features and Benefits

Range of Imager Sizes
Scantrak comes in 4 standard sizes: a compact 20 x 25 cm or 25 x 33 cm and larger format 28 x 38 cm and 33 x 43 cm for checking objects such as hand luggage. Custom size imagers are also available.

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.

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.
Technical Specifications - Imaging Panels

Scantrak has four permutations of image capture unit, dependent on the size of the typical target object. The Imager is easy to handle either manually or by ROV.

<table>
<thead>
<tr>
<th>Scantrak 10</th>
<th>Scantrak 13</th>
<th>Scantrak 15</th>
<th>Scantrak 17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imaging Area: 20 x 25 cm - 8 x 10”</td>
<td>25 x 33 cm - 10 x 13”</td>
<td>28 x 38 cm - 11 x 15”</td>
<td>33 x 43 cm - 13 x 17”</td>
</tr>
<tr>
<td>Imager Size: 180 x 330 x 340 mm</td>
<td>200 x 420 x 420 mm</td>
<td>220 x 455 x 460 mm</td>
<td>200 x 500 x 520 mm</td>
</tr>
<tr>
<td>Imager Weight: 6 kgs</td>
<td>7.1 kgs</td>
<td>7.8 kgs</td>
<td>9 kgs</td>
</tr>
<tr>
<td>Resolution: 582 x 752 pixels</td>
<td>582 x 752 pixels</td>
<td>582 x 752 pixels</td>
<td>582 x 752 pixels</td>
</tr>
<tr>
<td>Receptor: CCD</td>
<td>CCD</td>
<td>CCD</td>
<td>CCD</td>
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</tbody>
</table>

NSN: 6665-99-471-2849

Technical Details subject to change.
Scanview X-ray Imaging Software

Scanview Features:
- X-ray Generator selection
- X-ray pulse setting
- X-ray pulse Activation
- X-ray Imaging Delay
- Password Controlled Safety Timeout
- Accumulation of Pulses (Summing)
- Audible and Visual Warning during X-ray activation
- Incident Reference Creation
- Visual database of 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 Colour Images
- Sub-image
- Rotate, Flip and Mirror image
- 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
- Histogram Equalisation
- Histocontrast
- Overlay
- Copy/paste
- Multiple Undo, Image Restore
- Measure [multiple units]
- Calibrate measurements
- Summing
- Image Stitching and Cropping
- Grid Overlay
- Save to windows formats – jpg, bmp, tif
- Foreign language options

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, TCM, 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

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 ruggedised MilSpec models with foreign keyboard and OS options are available.
- Wireless option (802.11G)

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
Imaging Expertise

**Scanna** has a long track-record of providing high performance X-ray Imaging equipment to the Defence and Security sector. We have a deep insight into the challenges faced by our customers.

Our X-ray products combine leading-edge, field proven technologies with simple to use functionality, enabling operators to make intelligent decisions in the most challenging field based scenarios. Scantrak CCD portable X-ray systems deliver an almost instant X-ray acquisition-to-screen response time with no re-approach required for repeat shots - an indispensable asset for fast confirmation and clearance of suspicious packages or unattended bags.

**Truly Portable**
- Battery Powered Components
- Wireless X-ray fire and image transfer options
- Wheeled Case or Backpack Options

**Rapid and Remote X-ray Operation**
- Almost instant X-ray Acquisition
- Adjust and fire X-ray pulses remotely
- Fire X-rays without re-approach to target

**User Friendly**
- Fast and simple to set up and use
- Connect, deploy and capture images in just minutes
- Easy to operate icon driven scanview software

**Field Proven**
- In worldwide service with defence and police teams
- Designed to perform in tough environments
- Long-Life MilSpec Cables and Connectors

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