Scansilc is a range of high performance flat panel portable X-ray systems offering high definition image quality for multiple defense and security field applications including IED search and investigation, unattended baggage checks, vehicle inspection cell searches and for detecting weapons and contraband material. Scansilc systems also have applications within the fields of forensics and counter surveillance (TSCM).

The flat slimline panel design allows operators to carry out X-ray work in difficult to access areas, while the different image panel sizes provide options for lightweight back-packable systems for rapid deployment tasks and larger image panels for screening larger objects such as unattended bags.

Scansilc imaging systems utilize proprietary Scanview EOD X-ray acquisition and image enhancement software and is suitable for users requiring an advanced X-ray screening solution with high definition images in the fields of defense, security and NDT. Images and specific regions of interest can be manipulated within Scanview software and stored within a searchable database for evidential purposes or exported for report writing.

Scanview software is available in different languages including Arabic. In addition, the Scansilc system can be easily modified to incorporate a dual energy capability. Using this functionality allows operators to create an X-ray image and also determine whether organic material such as explosives.

FEATURES

High Dynamic Range
Scansilc high performance, high resolution flatpanel X-ray imagers feature a 14 bit dynamic range to produce clear, sharp digital images in seconds.

High Sensitivity
Scansilc flat panels are highly sensitive and allow deeper penetration through brick, concrete and steel than conventional X-ray systems.

Battery Operation
Scansilc systems are fully portable and all components can operate independently using the battery for up to 5 hours without any reliance on mains power or powered cables during operations. The charging system is integrated within the system case allowing simultaneous charging of all system components.

Range of Imager Sizes
Scansilc panels are available in three standard sizes: a compact 20 x 25 cm, 30 x 40 cm and a larger 43 x 36 cm size for X-raying larger objects such as hand luggage in a single shot. Custom sizes, backpack and transit case options are available for specific user applications.

Safe
X-ray acquisition is controlled from a safe distance using the system’s Scanview software. Multiple X-rays of varying exposure times can be taken in seconds without the need to reapproach the target.

Ruggedised design
Scansilc X-ray imagers are specifically designed for easy handling in difficult to reach areas and special protective imager covers provide additional strength and durability for challenging defense and security environments and in harsh climates.

### Scansilc Technical Specifications - Imaging Panels

<table>
<thead>
<tr>
<th></th>
<th>Scansilc 2520</th>
<th>Scansilc 4030</th>
<th>Scansilc 4336</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Area Format:</strong></td>
<td>25 x 20 cm</td>
<td>30 x 40 cm</td>
<td>43 x 36 cm</td>
</tr>
<tr>
<td><strong>Active Imaging Area:</strong></td>
<td>179mm x 238mm</td>
<td>291mm x 405mm</td>
<td>424mm x 353mm</td>
</tr>
<tr>
<td><strong>Imager Size:</strong></td>
<td>400 x 235 x 25.7mm</td>
<td>450 x 337 x 34mm</td>
<td>492 x 475 x 23 mm</td>
</tr>
<tr>
<td><strong>Imager Weight:</strong></td>
<td>3.3 kgs</td>
<td>7.5 kgs</td>
<td>5.5 kgs</td>
</tr>
<tr>
<td><strong>Dynamic Range:</strong></td>
<td>14 bits</td>
<td>14 bits</td>
<td>14 bits</td>
</tr>
<tr>
<td><strong>Resolution:</strong></td>
<td>3.94 lp/mm</td>
<td>3.94 lp/mm</td>
<td>3.6 lp/mm</td>
</tr>
<tr>
<td><strong>Pixel Pitch:</strong></td>
<td>127 microns</td>
<td>127 microns</td>
<td>139 microns</td>
</tr>
<tr>
<td><strong>Receptor:</strong></td>
<td>Amorphous Silicon</td>
<td>Amorphous Silicon</td>
<td>Amorphous Silicon</td>
</tr>
<tr>
<td><strong>Housing:</strong></td>
<td>Aluminum with carbon fiber Aluminum sensor protection Aluminum sensor protection</td>
<td>Molded polycarbonate</td>
<td></td>
</tr>
<tr>
<td><strong>Interface Control Box:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>255(l) x 90(w) 190(h) mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>3.8kgs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Applications:**
- Weapons Inspection
- EOD Tasks
- IED Identification
- Customs Vehicle Inspection
- Forensics
- Dual Energy Material Discrimination
**Scansilc**

Technical Specifications - Portable X-ray Generators

### X-Ray Generator Options

<table>
<thead>
<tr>
<th>Generator</th>
<th>Applications</th>
<th>Penetration</th>
<th>Pulses per charge</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>XR200 Standard Generator</td>
<td>Police, General Security, Postal Blast Investigation</td>
<td>15mm steel</td>
<td>4,000</td>
<td>31.75 (l) x 11.5 (w) x 19 (h) cm</td>
<td>5.5kgs with battery</td>
</tr>
<tr>
<td>XR150 Lightweight Generator</td>
<td>Special Forces, Light Duty Applications</td>
<td>15mm steel</td>
<td>1,500</td>
<td>10.4 (l) x 8 (w) x 27.3 (h) cm</td>
<td>2 kgs with battery</td>
</tr>
<tr>
<td>XRS-3 Heavy Duty Generator</td>
<td>Military, Counter IED, UXO Inspection, TSCM, NDT</td>
<td>26mm steel</td>
<td>4,000</td>
<td>35.5 (l) x 11.5 (w) x 19 (h) cm</td>
<td>5.5kgs with battery</td>
</tr>
</tbody>
</table>

### 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)

### 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

### 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 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 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

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