



WESTMINSTER
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Protecting your world

Portable Digital X-Ray System (WG-S-TRAK)



Investigation and Inspection

The WG-S-TRAK is a compact portable digital x-ray system that allows remote detection and investigation of suspect articles in a wide range of applications including:

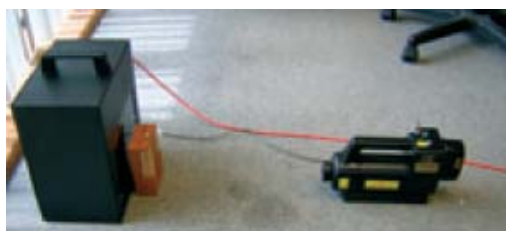
- ▶ Bomb disposal;
- ▶ Suspect package investigation;
- ▶ Checking unattended bags;
- ▶ Searching for narcotics and hidden contraband;
- ▶ Searching behind walls;
- ▶ Vehicle inspection.

The WG-S-TRAK is a multiple application portable x-ray scanner used by:

- ▶ Police;
- ▶ Military;
- ▶ EOD;
- ▶ Customs;
- ▶ Law enforcement agencies;
- ▶ Prisons;
- ▶ Building security management.

Features:

- ▶ Search and examine suspect articles on the spot;
- ▶ Portable and easy to set up and use in 2 minutes;
- ▶ Digital image transmission ensures high resolution images;
- ▶ Powerful image analysis and enhancement including Zoom, Inverse Black/White, pseudo-colour, rotate, 3D, sharpening, smoothing, gamma correction, histogram equalisation, summing, measure, annotation;
- ▶ Designed to work with XR200, XR150 and XRS-3
- ▶ Image print, fax and email. Archive in excess of 32,000 images on PC or CD.



fire



safety



security



defence

WI Code: 10439/2

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The Association of
Police and Public
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The Defence
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Portable Digital X-Ray System (WG-S-TRAK)

Scan unattended mail bags



The WG-S-TRAK 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 system can be ruggedised for military applications.



Find contraband, weapons and narcotics

X-ray images are captured remotely and sent directly to the notebook PC. Captured images can then be enhanced using the image software for further analysis.

Image Analysis

Powerful image enhancement software allows fast evaluation and identification of hard-to-detect objects.

It offers a wide range of Image Processing features including:

- ▶ Zoom;
- ▶ Inverse Image;
- ▶ Black/White;
- ▶ Pseudo-colour/Pseudo-3D;
- ▶ Contrast enhancement;
- ▶ Clean Image;
- ▶ Rotation;
- ▶ Distance;
- ▶ Measure;
- ▶ Show gradients.

WG-S-TRAK has multi-lingual options in addition to online help and quickstart guides. Online web support is also available.

The 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 a built-in modem. A range of annotation tools allow you to insert text, notes and highlight suspect areas.

Specifications

Notebook

- ▶ Screen: 14.1 Colour TFT;
- ▶ Processor: Pentium 4 or Centrino 1.4Ghz;
- ▶ Hard Disk: 40Gb (Exceeds 32,000 stored images in .jpg or .bmp);

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Portable Digital X-Ray System (WG-S-TRAK)

- ▶ 3.5" Floppy;
- ▶ CDRW Writer;
- ▶ 128MB RAM;
- ▶ Windows XP;
- ▶ Power: 220VAC 50hz or rechargeable battery;
- ▶ Record & Export Facility: Video, Audio & Data, Fax, LAN & 56K Modem.

X-ray Source

Standard **XR200**:

- ▶ 150kV maximum energy;
- ▶ 15mm steel penetration
- ▶ Weighs 5.5kg with battery

Option 2 – **XR150**:

- ▶ Pulsed X-ray with 40 beam angle;
- ▶ 150kV maximum energy;
- ▶ 23 microsievert output dose rate per pulse at 1m. 0.028 microsievert behind beam;
- ▶ 15mm steel penetration, 36 AWG or 32 AWG behind 3mm steel;
- ▶ Weighs 2kg with battery.

Option 3 – **XRS-3**:

- ▶ 300kV maximum energy;
- ▶ 25mm steel penetration;
- ▶ Weighs 5.5kg with battery.

Other tools

- ▶ Remote X-ray pulse activation;
- ▶ Visual image database including:
Name, date, category, place, file name;
- ▶ Query and sort database;
- ▶ Annotation tools;
- ▶ Calculator;
- ▶ User login;
- ▶ Online help;
- ▶ Email, fax and print.

Standard Image Area

- ▶ 20.32 x 25.40cm (8 x 10");
- ▶ Optional 25.4 x 33cm (10x13");
- ▶ 28 x 38 cm (11 x 15");
- ▶ Custom Sizes available.



Image Capture Unit

Camera type: High performance CCD

Resolution: 582 x 752 pixels

Video Signal/Noise: Better than 40 dB

Wireless and Multi-language versions are also available.

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