

Scanx Scout Portable X-Ray System

**From A4 Packages To The Side Of A Car
- Scout Has It Covered**

ScanX Scout Portable Digital X-ray system with re-usable flexible film plates.

ScanX Scout is a high performance portable digital X-ray system combining high sensitivity flexible film plates, a rugged battery powered image plate reader and a laptop or detailed forensic level X-ray inspection across the full spectrum of security and defence applications.

ScanX Scout image plates are very thin and flexible or easy access into confined areas and or wrapping around objects of interest. The image plates are available in a range of sizes to suit the task you're working on and can be used individually or mounted in multiple combinations to investigate larger objects.

CR X-ray image plates require no cables nor batteries or use and the entire X-ray operation from setting up the scanner, placing the X-ray plate, X-ray acquisition and image plate scanning can be completed in less than 2 minutes.

Plates can be used over 1000 times and can be erased during the scanning process to allow immediate reuse.

The ScanX Scout Image Plate Reader scans the plates either on mains or battery power to produce ultra high resolution X-ray images in as little as 35 seconds. Its ability to reveal fine wire and electronic component detail makes it an invaluable system or those needing to make fast accurate decisions in the field and equally or lab-based forensic and analytical tasks.



Features & Benefits

Fast Set up and X-ray Image Acquisition

Large Range of Image Plate Sizes

Electronic free x-ray plates - no user setup

Battery Operation

High Resolution Images

Operates with both pulsed and CP x-ray sources

Light and easy-to-handle IPs

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Features & Benefits

Battery Operation

All the ScanX Scout system components are fully portable and the Image Plate Processor can operate on battery or up to 4 hours without any reliance on mains power.

Reduced Film Costs

Upgrading to Digital Film from Polaroid film means lower consumable costs and the ability to store and manage X-ray images in a database or improved and easier report writing and evidential record keeping.

Large Range of Image Plate Sizes

ScanX Scout X-ray Image Plates are available in a range of sizes: from compact 18 x 24 cm up to long length 35 x 130 cm. All plates can be used in multiple combinations with the Flexray Mounting Accessory or checking larger objects such as sides of vehicles in a single X-ray shot.

Fast Set up and X-ray Image Acquisition

Unload and set up the ScanX Scout system, shoot X-rays, process and read the images on screen in less than 2 minutes start to finish.

High Resolution Images

Using high sensitivity flexible image plates ScanX Scout can produce 3.8-5 lp/mm, 100 micron images whilst requiring ten times fewer X-ray pulses than polaroid film.

Suitable for tough environments

The ScanX Scout Image Plate Reader is transported in a ruggedised case with integrated lifting handles making it easy to deploy to any task. Tried and tested in tough Police and Military environments.

Light and easy-to-handle IPs

ScanX Scout Image Plates are easy to handle, carry and deploy, slide into tight spaces and affix to almost any surface. They are lightweight and flexible, need no cables nor battery for operation and are ideal for most Security and Defence Tasks including EOD/Search/WIT and Detailed Inspection as well as Counter Surveillance.

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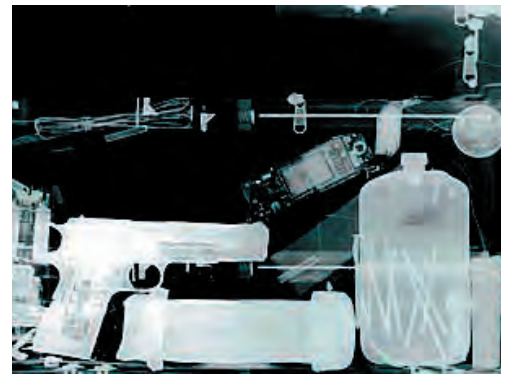
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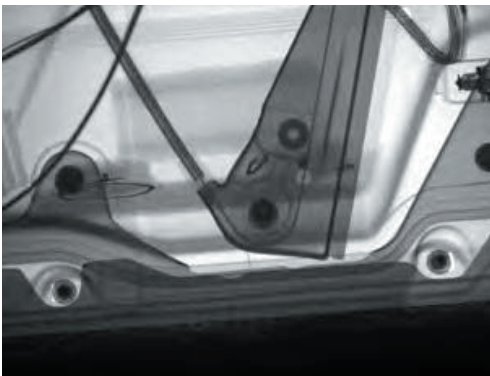
Firearms Inspection



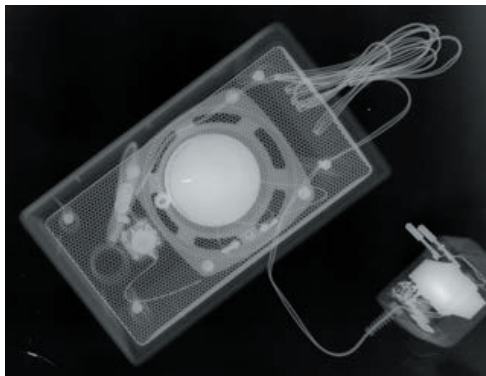
EOD/CMD Work



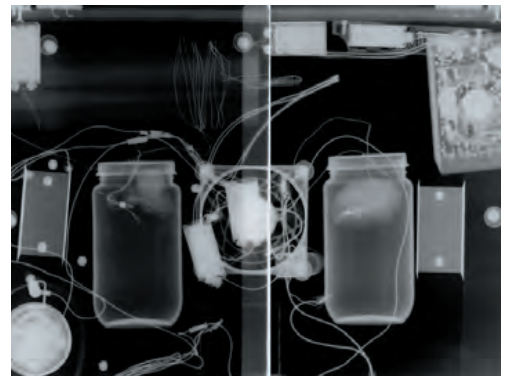
IED and Weapons Identification



Customs Vehicle Inspection



TSCM and Forensics



Stitch multiple images together

*Note: Resolution of the ScanX Scout is dependent on type of x-ray generator, operating mode and specific imaging plate type used.

Technical Information

Image Processor and Image Plates



Scout Processor



X-Ray Image Plates

Scout Processor

Dimensions	39 [w] x 44.5 [l] x 35 [h] cm
Weight	21 kg with battery, 19.5 kg without battery
Resolution*	Vertical: 3.8 to 5.0 lp/mm Horizontal: 3.8 to 7.0 lp/mm
Pixel Pitch	300 - 100 microns
Laser Class	1, compliance with FDA HHS 21 CF1040.10 and IEC 60825-1
Data Transfer	USB
Power	Mains or 4 hour battery [24DC]

X-ray Image Plates*

Standard Sizes	35 x 43 cm [14 x 17"] [Standard] 25 x 30 cm [10 x 12"] [Medium] 20 x 25 cm [8 x 10"] [Small]
Longer Length	35 x 90 cm [14 x 36"] 35 x 130 cm [14 x 51"] Other custom sizes on request
Plate Accessories	Flexible Cassettes, Protective Covers, Rigid Carbon, Fibre Cassettes, FlexRay Cassettes

* ScanX Scout is compatible with standard and high resolution x-ray image plates. Image resolution achieved will vary according to the type of image plate used.

* NSN: 6350-99-236-1928

Flexray Image Plate Mounting System

The Flexray Image Plate Mounting system enables the examination of large objects by combining multiple image plates in a variety of configurations. The ability to check large surface areas with a single X-ray shot reduces the time spent in the target area and ultimately time spent on task. Standard size plates can be used to combine from two to nine plates together. Longer length plates can be used in combinations of two or three

together enabling over 1 m² to be checked using a single X-ray exposure.

Flexray image plate kits include stiffened canvas image plate cassettes, Velcro fastenings, guy line, eyelets, carabiners and suction cups giving you the flexibility to free-stand or hang image plates behind the target or to directly attach them to the area of interest.



Flexray Image Plate Mounting System

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Portable X-Ray Generators

Standard X-Ray Generator Options



XR200



XR150



XRS-3

	XR200 Standard Generator	XR150 Lightweight Generator	XRS-3 Heavy Duty Generator
Applications	Police, General Security, Postal Blast Investigation	Special Forces, Light Duty Applications	Military, Counter IED, UXO Inspection, TSCM, NDT
Pulses per charge	6,000	5,100	5,500
Dimensions	27.15 [l] x 10.82 [w] x 14.81 [h] cm	23.06 [l] x 7.7 [w] x 10.34 [h] cm	36.07 [l] x 10.87 [w] x 14.81 [h] cm
Weight	4.8 kg with battery	2.13 kg with battery	5.3 kg with battery

*Note: Scout is also compatible with various CP x-ray sources

Options

Laptop Options

X-ray systems are supplied with a high performance laptop or tablet running Windows Professional 64 bit. Minimum spec: Intel Dual Core Processor, 500 GB-1 TB HardDrive, 4-8 GB Memory.

Other brand name variants and ruggedised MilSpec models with foreign keyboard are available.



Laptop Options



Cases

Scanview Software

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