

CR/DR MULTI-MISSION X-RAY SYSTEMS

No two x-ray missions are alike so one size X-ray system doesn't necessarily fit all.

Scanna's innovative CR/DR Portable X-ray systems combine no-nonsense flexible CR X-ray plates and **ScanX Scout** image plate scanner, with **Scanna's ScanSilc** fast image acquisition DR X-ray panels, a **Golden** pulsed X-ray generator and a viewing laptop.



**X-RAY
GENERATOR**



**FLEXIBLE IMAGE PLATE
AND PROCESSOR**



DR X-RAY PLATE



**ONE CONTROLLER AND SOFTWARE PLATFORM RUNS
BOTH CR AND DR PLATES**

CR X-RAY SYSTEMS



CR X-ray systems use lightweight flexible image plates that slip easily behind objects and combine in a mosaic to cover and x-ray larger areas using a single x-ray exposure. Electronic free they are simple and reliable to use without any cables, connectors or mechanical elements.

CR X-ray plates are offered in a range of sizes for the widest flexibility of use and with 100% of the plate active they provide true ground level imaging. Their sealed protective sleeves make them suitable for all weather conditions and for decontamination processes.

X-ray images are viewed by passing the x-ray plates through a processor connected to a laptop.



**1. CR IMAGE
PLATE**



**2. X-RAY
GENERATOR**



**3. IMAGE PLATE
PROCESSOR**



4. CONTROLLER

ONE CONTROLLER RUNS BOTH CR AND DR PLATES



- Flexible plates - No dead areas. True ground level imaging. Slide plates into tight areas and wrap around objects
- Fast grab and go placement- no cables or wi-fi to connect - reliability of image capture with no unexpected electrical or wireless drop outs at critical moments
- Wide range of image plate sizes
- Combine multiple plates in grid/mosaic format to x-ray large targets without a mechanical slider

SCANSILC RUGGED DR X-RAY SYSTEMS

ScanSile is a range of high performance, high resolution x-ray panels designed to meet the wide range of tasks our users carry out and the different types of environments they operate in.

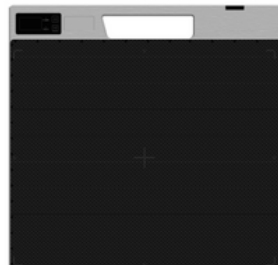
Choice of Scansile Image Panel formats



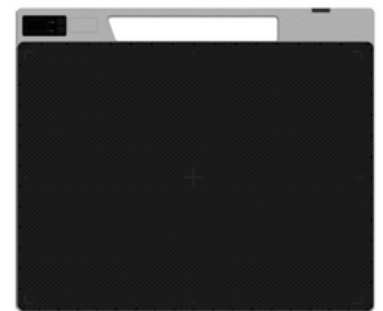
**Scansile
1824U**



**Scansile
2430U**

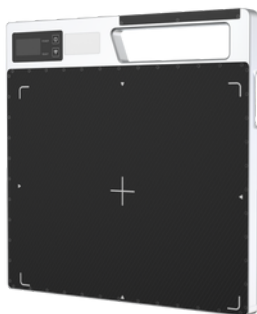


**Scansile
3643U**



**Scansile
4357U**

- **Remote control** of your x-ray source without reapproach using any **Scansile DR** x-ray panel
- **Rapid Grab-and-Go** mode with no trailing cables, or interface control box
- **Reduces time on target** - Minimal components and setup -get the job done quickly and efficiently
- **Reliable when it counts** - Rugged, Resilient, Dust, Dirt and Water Resistant in all conditions



**1. DETECTOR
PANEL**



**2. X-RAY
GENERATOR**



3. CONTROLLER



SCANX SCOUT

TECHNICAL INFORMATION

Image Processor and Image Plates



Scout Processor	
Dimensions	39 [w] x 44.5 [l] x 35 [h] cm
Weight	21 kgs
Resolution*	3.5-10 lp/mm dependent on X-ray plate and scan time
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"]
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 m sq. 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.



SCANSILC COMPACT X-RAY PANELS

TECHNICAL INFORMATION

ScanSilc is a range of high performance, high resolution x-ray panels designed to meet the wide range of tasks our users carry out and the different types of environments they operate in.

SCANSILC 1824

Designed for users that need to take high quality x-ray images but don't want to carry around a bulky pelicase or backpack. Works in a back-to-back format with a tablet or can also link to a larger laptop.

Scansilc 1824	
Image Area	175 x 233 mm
Pixel Pitch	76 micron
Resolution	6.5 lp/mm
Physical Dimension	265 x 215 x 21.8 mm inc handle
Weight	1.7 kg
Environmental Protection	IP67 [Dust and Water Resistance]
Drop Test	1 m on all 4 corners



SCANSILC 2430U

A robust and compact x-ray panel in a convenient 24 x 30cm format. The panel is designed for security and EOD operators, and can be controlled and operated remotely from the ICP using cable or wi-fi or in a pre-cabled back-to-back mode.



Scansilc 2430U	
Image Area	233 x 291 mm
Pixel Pitch	76 micron
Resolution	6.5 lp/mm
Physical Dimension	325 x 318 x 20 mm inc handle
Weight	2.0 kg
Environmental Protection	IP67 [Dust and Water Resistance]
Drop Test	1 m on all 4 corners

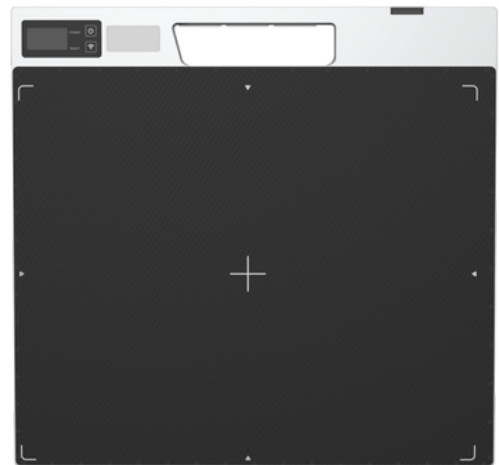
LARGE FORMAT SCANSILC PLATES

TECHNICAL INFORMATION

SCANSILC 3643U

This 36 x 43 format allows operators to investigate larger targets with the additional benefit of dual battery power. Doubles your time of performance in the field producing high-quality x-ray images

	Scansilc 3643U
Image Area	353 x 430 mm
Pixel Pitch	100 micron
Resolution	5 lp/mm
Physical Dimension	456 x 435.5 x 20 mm
Weight	3.9 kg
Environmental Protection	IP67 [Dust and Water Resistance]
Drop Test	1 m on all 4 corners



SCANSILC 4357U

Designed to be large enough to check cabin-bag sized luggage, this 43 x 57cm panel incorporates the same performance features of the Scansilc 3643 with a larger imaging area.



	Scansilc 4357
Image Area	430 x 573 mm
Pixel Pitch	140 micron
Resolution	3.5 lp/mm
Physical Dimension	520.2 x 609.8 x 20 mm
Weight	5.9 kg
Environmental Protection	IP67 [Dust and Water Resistance]
Drop Test	1 m on all 4 corners

X-RAY GENERATORS, CONTROLLERS & SOFTWARE

Scanna portable x-ray systems are offered with one of the Golden XR pulsed x-ray generators.



XR150 - 150 kV



XR200 - 150 kV



XRS-3 - 270 kV



XRS-4 - 370 kV



XRS-3 / XRS-4 MD Multi-Directional

	XR150	XR200	XRS3/XRS-3 MD	XRS4/XRS4-MD
Applications	Special Forces, Light Duty Applications	Police, General Security, Postal Investigation	Military, Counter IED, UXO inspection	Military, UXO Inspection
Dimensions [cm]	23.06 [L]	27.15 [L]	39.17 [L]	48.92 [L]
	7.7 [W]	10.82 [w]	12.19 [W]	12.19 [W]
	10.34 [H]	14.81 [H]	17.91 [H]	17.91 [H]
Weight	2.58 kg with battery	4.8 kg with battery	5.4 kg with battery	8.3 kg with battery

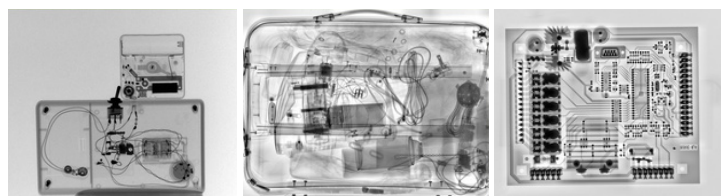
Controller / viewer options



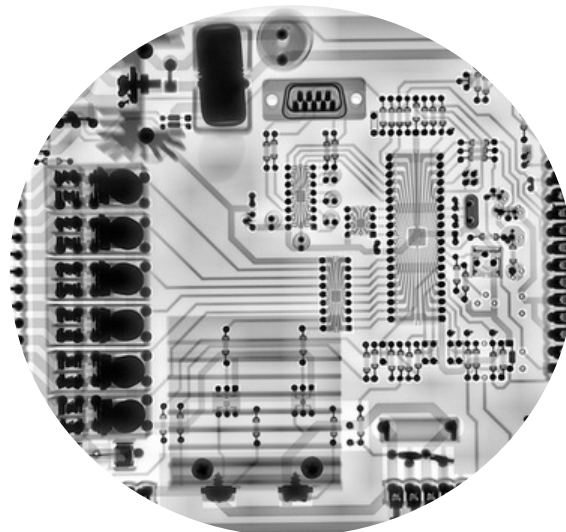
Scanna X-ray systems come complete with a choice of handheld, tablet or laptop controller, pre-configured to control your X-ray Detector and X-ray Generator using either ScanView X-ray Imaging Software or XTK [X-ray Toolkit]

ScanView X-ray Imaging Software

Scanna's **ScanView** software uses an intuitive UI allowing you to pick up and start using your x-ray system with the minimum of training. Images are quick and easy to adjust using our **ScanClear** one-click enhancement filters and multiple image captures auto-stitch together in seconds. Store and manage images with raw image data within the software database for evidence chain of custody, or export as windows format files for use within reports or third party sharing.



SCANVIEW SOFTWARE



Scanview Software options

X-ray Generator selection	Digital Zoom	ScanClear One Touch Image Optimisation	Voice Annotation
X-ray pulse setting	Vocal annotation	3D [Emboss] Image	Histogram Equalisation
X-ray pulse Activation	Email option	Sharpening	Histocontrast
X-ray Firing Delay	Battery Monitor	Smoothing	Rotate, Flip and Mirror image
Password Controlled Safety Timeout	User login	Edge Enhancement, Find Edges	Copy/paste
Accumulation of Pulses [Summing]	Print	Clarity one click automatic image enhancement	Multiple Undo, Image Restore
Audible and Visual Warning during X-ray Activation	On-Screen Help	Brightness and Contrast	Measure [multiple units]
Incident Reference Creation	Image Tiling	Gamma Correction/Stretch	Calibrate Measurements
Visual database of X-ray images including name, date, category, place, file name	Multiple Zoom including zoom thumbnail window	Import/Export Images	Image Stitching & Cropping
Back up database	Inverse [polarity] image	Shaped Regions	Grid Overlay
Query and Sort in database	Pseudo Colour Images	Select Region of Interest	Save to file or removable device in windows formats - jpg, bmp, tif, png
Compact Database	Sub-image	Annotate Images, Save	Foreign language options