SCANNA

SCANSILC 3643U DATASHEET

Highlighted Features

High definition images - 100 microns - 5 lp/mm

Uniquely designed for security applications - not a fragile medical/veterinary panel in a protective cover.

Multiple Operational modes - Synchronised wired or wireless control from a tablet/laptop, standalone AED (Automatic Exposure detection) Mode with manual firing of the x-ray generator and Storage Mode - collect 300 target images on the panel for download.

Ruggedised Unibody design - drop tested to 1m (3 ft) on all 4 corners.

Unique IP67 environmental protection against dirt, dust and water ingress. IP68 connectors.

Dual hot-swappable in-panel batteries and addtitional spare battery providing extended field operational capability.

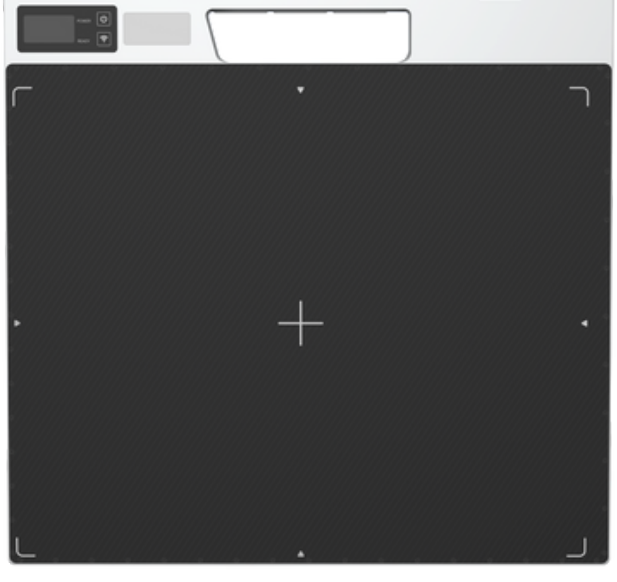
Overview

SCANSILC 3643U is a robust, large format x-ray panel for security and defence x-ray applications. The panel is designed for harsh environments, is dust and water tight, impact and drop resistant to 1m. We use intelligent control circuitry within our x-ray panel instead of a separate communications box to provide fast, problem free deployment.

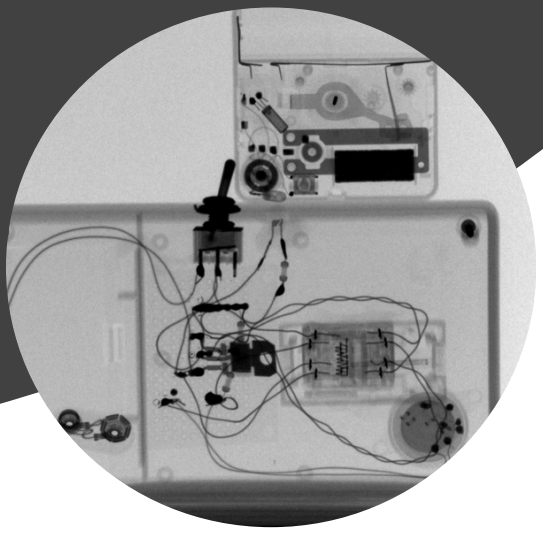
The new inbuilt **OLED screen** gives you greater operational awareness and two in-panel batteries allow for extended field operation.

The imaging area is 353 x 430 mm and offers 16 bit, 100 micron / 5 lp/mm high resolution images.

SCANSILC 3643U is compatible with both pulsed and CP x-ray generators. Operators can control the system in wired or wireless modes from a tablet or laptop without needing an extra interface communications box. The panel's stand-alone (AED) mode gives you full manual control and firing of your x-ray generator using custom delays or dead man's switch.



X-RAY SOURCE AND VIEWER OPTIONS



X-ray Generator Options

Scansilc 3643U operates with any of the Golden XR pulsed x-ray generators and other CP x-ray sources. Select x-ray generator type, parameters and remote firing using the Scanview software. For manual set up and control of x-ray sources, the 3643U panel can be operated in AED mode.

XR150 - 150 kV

XR200 - 150 kV

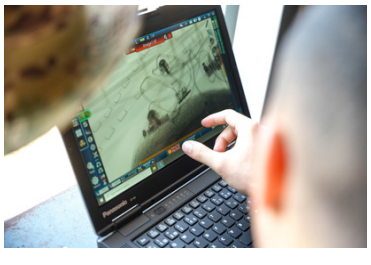
XRS-3 - 270 kV

XRS-4 - 370 kV

XRS-3 /XRS-4 MD Multi-Directional

Controller /Viewer Options

Select from a range of semi rugged and fully rugged Windows Tablets and Laptops with screen sizes from 8-22" to control the x-ray source and view, enhance and manage images. Use with proprietary Scanview Imaging Software and/or XTK imaging software (for Govt approved users).



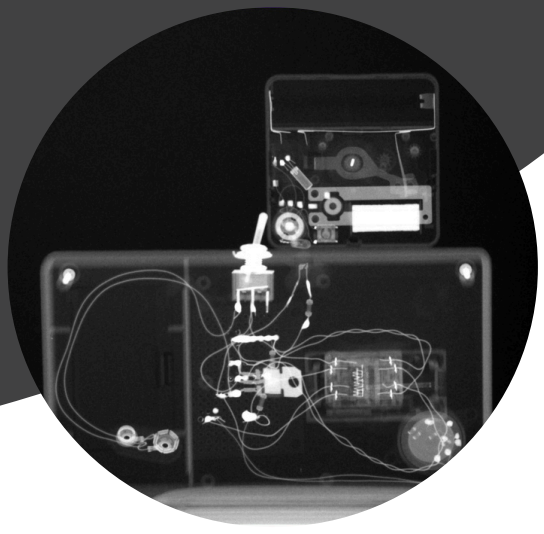
scanna-msc.com

Telephone: +44(0) 207 355 3555

Email: info@scanna-msc.com

SCANNA

TECHNICAL INFORMATION



Scansilc 3643U X-ray Detector Panel - Key Specifications

Parameter	Specification
Panel Technology	DR Amorphous Silicon (aSi)
Nominal Image Area	36 x 43 cm
Active Image	353.4 x 430.2 mm
Pixel Pitch	100 micron
Resolution	5 lp/mm
Physical Dimensions	457.2 (w) x 435.5 (h) x 20 (d) mm
Weight	3.9 kg inc. dual in-panel batteries
Environmental Protection	IP67 (Dust and water resistance)
Load Bearing Weight	170 kgs
Drop Tested	1m (on all corners and edges)
Battery Type / Capacity	Lithium Polymer / 7.4 V – 4000 mAh (with button to check charge status)
Battery Life	6 - 8 hours / >700 images
Bottom and Lateral Wall Distance	3 mm, 7.5 mm

ScanView Software - Key Features

X-ray Source Selection	Select Region of Interest	Sharpen Image	Incident Management
X-ray pulse setting	Stitch and Crop Images	Clean / Soften Image	User and Category Set up
X-ray Source control and Activation	Auto Stitch Images	Measurement Tool (mm/in)	Query and Sort in Database
Password Control and Safety Timeout	Digital Zoom in/out	Inverse / Rotate / Mirror / Flip Image	Battery Monitor
Delay and Emergency Stop X-ray	ScanClear One Click Image Optimisation	Colour Enhancement Filters	Audible and Visual Warning before X-ray activation
Accumulation of Pulses - Summings	Histocontrast Adjustment	Image Clarity Filter	File Import/Exort (windows formats - jpg, bmp, png, tif)
Store and Retrieve Raw Images	Auto Histocontrast	Shape/Text/ Voice Annotation	Visual database of X-ray images including name, date, category, place, file