Analysed images *" Innovation you can trust "*

Portable X-Ray Solutions

INNOVATIVE   COMPACT   RUGGED

Analysed Images fast to market advanced innovative portable X-ray systems have been specifically developed in the UK to suit a broad range of markets sectors and applications including:

BORDER CONTROL
Ideal for rapidly identifying contraband, illegal substances, weapons, IED's, abandoned and suspicious packages and vehicles giving instant very high quality images for immediate action.

C-IED / EOD
Fast to deploy, easy to set up, designed to minimise operator attendance at a suspect object. Instant high quality images either cabled or wireless to ruggedised laptop or handheld tablet.

FIRST RESPONDERS
Requires the same rapid deployment as EOD teams in public areas where speed of imaging, imaging quality and decision making is crucial to public safety and public access.

CUSTOMS
Where large or comprehensive complex inspection systems are not available, quick non destructive testing enables customs staff to undertake suspicious bag search, detect contraband items, weapons, drugs, alcohol with instant high quality imaging.

Solutions Overview

Our portable X-ray image systems are compatible with a wide range of X-ray generators, isotopes and detector systems. Direct radiography image capture systems available include: CCD imagers, Amorphous Silican (a-Si), Complementary Metal Oxide (CMOS) flat panel imagers and CMOS Linescan imagers.

We provide a comprehensive suite of compact technologically advanced portable solutions providing maximum configurable flexibility to meet individual application needs.

- Ruggedised durable detectors (cable/wireless operation modules)
- Fast deployment
- Easy set up
- Direct radiography, real time images
- X-Vision software, ruggedised laptop, option of down range wearable tablet

OUR COMPLETE SOLUTION INCLUDES:
- Application detector panel
- Cable & Wireless Options
- Laptop image processing unit or tablet with X-Vision software
- Operation and maintenance manual
- Wide range of accessories
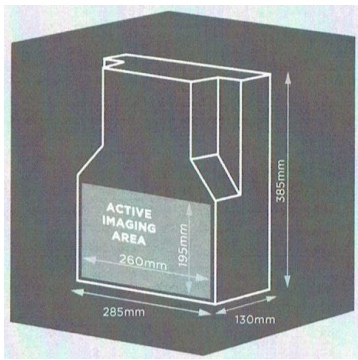- Choice of portable cases

KEY FEATURES	RPX ecoSCAN Rugged & Economical Sensor	RPX ultraSCAN Ultra High Resolution, Ultra Thin Sensor	RPX slimSCAN Large Active Scanning Area Flat Panel
Light Weight	✓	✓	✓
Ruggedised	✓	✓	✓
Easy Step-Up / Field Deployment	✓	✓	✓
Thin Panel	✗	✓	✓
High Resolution Imaging	✓	✓	✓
Large Object Scanning Capability	✓	✓	✓
X-Vision Software	✓	✓	✓
Near Edge Imaging	✓	✓	✓
Cabled option	✓	✓	✓
Wireless option	✓	✓	✓
Inexpensive Repair	✓	✗	✓
Compatible with Golden Engineering Pulsed X-ray Source	✓	✓	✗

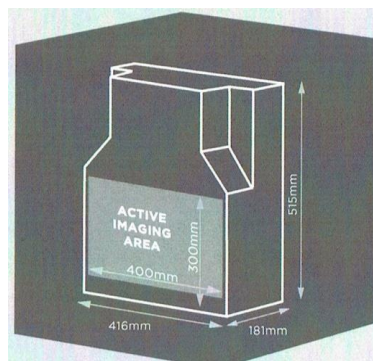# RPX ecoSCAN™ Range

System Features
- Class leading spatial resolution and contrast
- Near-edge imaging
- Direct radiography, real time images
- Ruggedised detector panel
- X-Vision software
- Cable and wireless options
- Ruggedised portable carry case options
- Pulsed X-ray sources
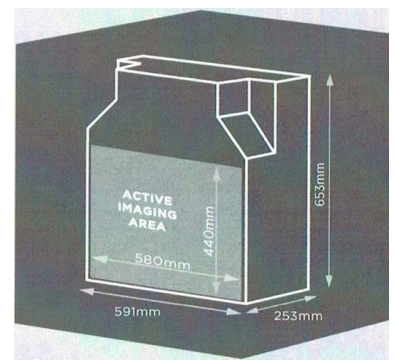- Wide range of application options

ecoSCAN™ Specifications

RPX ecoSCAN™ 4030
Weight 4.9kgs (incl battery)

RPX ecoSCAN™ 5844
Weight 7.2kgs (incl battery)

RPX ecoSCAN™ 2620
Weight 13.5kgs (incl battery)

SUMMARY OF ecoSCAN™ PERFORMANCE

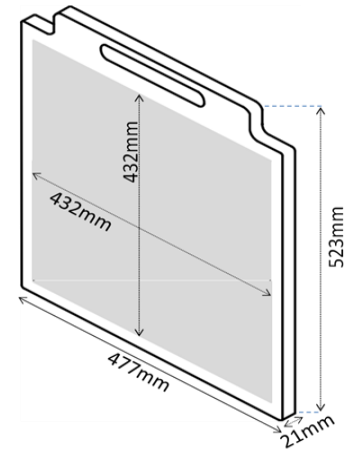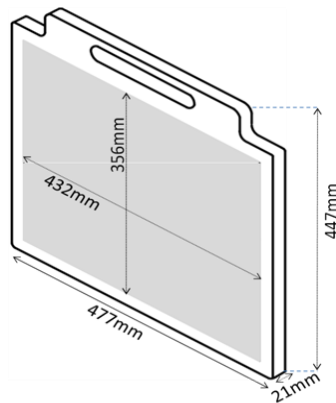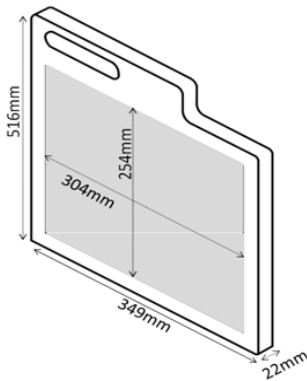|	
Imaging Category	Direct radiography
Detector Type	High definition CCD
Power Supply	100 - 250 VAC, removable rechargeable NIMH cells
Battery Life (continuous use)	> 4 hours from full charge
Communications	GigE, 802.11n
Operating Temperature	0 to 50˚C
Storage Temperature	Minus 10 to +60˚C
Construction	Carbon fibre and aluminium
Near - Edge Imaging	3 Sides (8mm)
A/D Conversion / Dynamic Range	14 Bit
Image Processing Software	X-Vision
Image Capture Resolution	1.3MP with 5.30 µm² Pixel Size
Image Scan Time	Virtually instantaneous (direct radiography)

RPX ultraSCAN™ Range

System Features
▪ Ultra thin ruggedized detector panels
▪ Unique auto exposure detection feature
▪ Near edge imaging
▪ Cable and wireless options
▪ Ruggedised portable carrying case options
▪ Compatible with Golden Engineering sources

ultraSCAN Specifications

RPX ultraSCAN™ (aSi) 3025
Weight 2.4kgs

RPX ultraSCAN™ (aSi) 4336
Weight 4.8kgs

RPX ultraSCAN™ (aSi) 343
Weight 6kg

SUMMARY OF ultraSCAN™ PERFORMANCE	
Imaging Category	Direct radiography
Detector Type	a-Si digital detector array
Power Supply	110 - 250 VAC, removable rechargeable battery
Battery Life (unit Switched off)	> 15 days from full charge
Battery Life (continuous use)	> 4 hours from full charge (with AED)
Communications	802. 11n, GigE
Operating / Storage Temperature	10˚C - 35˚C / -10˚C to +70˚C
Construction	Carbon fibre, aluminium and acetal
Near - Edge Imaging	3 sides (22mm & 14mm options)
A/D Conversion / Dynamic Range	16 Bit
Pixel Pitch	0.1mm
Image Processing Software	X-Vision
Image Scan Time	Virtually instantaneous (direct radiography)

X-Vision™ Software

HIGH PERFORMANCE X-RAY IMAGING SOFTWARE

X-Vision instantly delivers high quality X-ray images customisable user-friendly interface.

X-Vision delivers unparallel, full-feature, excellence with optimisation of the user experience, driving efficiencies on X-ray imaging operations.

OPTIMISATION OF USER-EXPERIENCE
X-Vision's comprehensive imaging functions and powerful image enhancement tools optimise quick and accurate detection, analysis and investigation.
X-Vision's user-friendly interface incorporates intuitive icon graphics, toolbars and dockers with touch-screen functionality. Customisation features ensure that your optimal interface is automatically presented to you.

DELIVERING IMAGING EXPERIENCE
X-Vision's cutting edge imaging is supported by a unique range of imaging techniques and sophisticated algorithms. Analysed Images advanced X-ray systems are supplied with larger viewing monitors to complement our high quality images to facilitate reliable and quick screening.
X-Vision's capability includes automation tools (such as automatic threat detection) and on-board user-friendly tools to enhance screening and detection outcomes.

LASEST TECHNOLOGY & CONTINUOUS DEVELOPMENT
Continuous development with the latest technology platforms keeps us at the forefront of X-ray imaging technology.
X-Vision Supports:
- Intuitive touch-screen operation
- Full 16bit greyscale images (65,536 grey levels)
- Wired & Wireless communications
- Integration with a wide range of X-ray sources
- Multiple detectors (flat panel, CCD cameras and detector arrays)

Components and Features

RUGGEDISED LAPTOP

Tablet PC with ruggedised case, X-Vision™ software and Windows™ 8.1 Pro.

NOTEBOOK

Ruggedised notebook with X-Vision™ software and Windows™ 8.1 Pro.

X-RAY SOURCES

Portable X-ray solutions have been developed to operate with a wide range of sources applicable to client operational requirements including pulsed and constant potential sources.
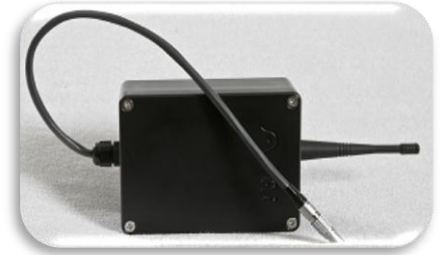
APU

Auxiliary power unit supplied with associated cables.

Components and Features

REMOTE TRIGGER SET

Wireless trigger of the X-ray source by the operator, range >1km.

CABLE REEL

50m extension cable with connector (100m maximum cable distance for reliable data transfer between pc and the detector)

ADJUSTABLE STAND

Adjustable stand to keep the RPX ultraSCAN™ panel upright.

CABLE OPTIONS

A wide range of cable options are available subject to customer application.

RUGGED CASE & TACTICAL BACKPACK

A wide range of ruggedized cases and tactical are available depending on client requirements.