

3DX-RAY



I-Gen

- Suspect item inspection
- EOD evaluation
- Customs control
- Vehicle scanning

Compact x-ray generator

A battery-operated portable, compact and robust x-ray generator designed for rapid on-site deployment. The I-Gen is versatile, user-friendly and compatible with all 3DX-RAY portable x-ray detector panels.

Quick and simple to deploy, the I-Gen produces extremely high quality x-ray output.

The remarkably compact generator has been designed and developed to offer a stable and constant output.

It's compact size makes it easy to x-ray items where space may be limited.

The I-Gen is battery powered as standard and operated remotely.

It can be ready to use within a matter of seconds and is suitable for all types of terrain.

The I-Gen is a rugged oil-filled design so, unlike some other portable generators, does not contain any ozone-depleting Class 9 gas. This makes the I-Gen suitable for all modes of transportation

internationally without a requirement for additional dangerous goods documentation and associated expense.

Ideal for use by First Responders, EOD teams, Counter Surveillance, and Customs and Security Operatives.

Also suitable for NDT operations.

The package comprises

- A portable x-ray generator
- Batteries and charger
- Wireless communication
- Carry case
- Software to control generator operation and output

Features

- Insulated with oil not gas
- High penetration with small focal spot
- Designed for rapid deployment and ease of use
- Portable, compact & highly robust
- Compatible with all 3DX-RAY portable detector panels
- Remote control
- Battery operated



I-Gen on tripod



X-ray of drugs in pipes in fuel tank

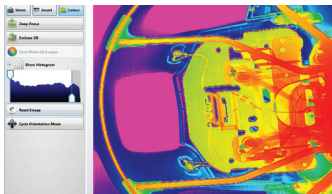


Improvised explosive device in can



I-Gen 360° stand

I-Gen



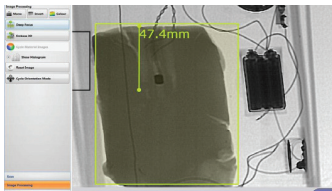
False colour



In car inspection



I-Gen with 360° stand



Measurement



Under car inspection

Standard Package

120kV x-ray generator, batteries, charger, removable handle, AC/DC power supply, software, wireless communication.

Options include: 360° stand, tripod, spare batteries and chargers, carry case, wired cable sets.

Technical Specifications

Type	Constant potential, oil insulated
Maximum kV	120kV (adjustable 40-120kV)
Maximum mA	1mA - 2mA (2mA @ 60kV)
Dimensions (L x W x H)	245mm x 180mm x 80mm
Weight (without battery)	5.5kg
Pre-warning time	Adjustable
Focal spot size	0.5mm x 0.5mm (mini-focal)
Window	Glass
Beam angle	50° x 50°
Tube life	>10 years of daily use
Maximum capacity (1 battery)	20 minutes continuous
Two (2) batteries (inc 1 spare)	24V, lithium ion, 2500 mAH
Charger time	Two (2) hours
Duty cycle	100% (operated via mains power)
Bump test	Designed to IEC 60068-2-29:Test Eb
Operating temperature	-30°C to +55°C
Storage temperature	-40°C to +80°C Designed to MIL-STD-810F 501.4 and 502.4
Humidity	0% to 95% non-condensing
Ingress protection (water, dust)	Designed to IP55
Penetration	30mm guaranteed, 34mm typical

Communications

Wireless (as standard)	802.11a/g/n, up to 25m range (extendable with repeaters)
RS232 (option)	25m, 50m

Safety

Physical safety interlock key switch
Audible & visible warning signs
CE compliant

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