

# 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

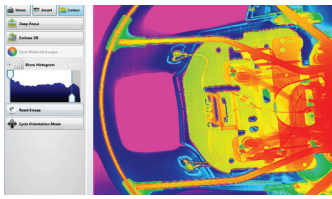


Improvised explosive device in can



I-Gen 360° stand

# I-Gen



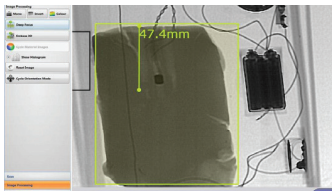
False colour



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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