

# MICRO-X

## IED X - RAY IMAGER TECHNICAL DATA SHEET



### REDEFINING RAPID ASSESSMENT X - RAY

The IED X-ray Imager provides an unrivalled Stand-Off Rapid Assessment X-ray capability for Counter IEDD Operations. The IED X-ray Imager has been designed for remote deployment via Unmanned Ground Vehicle (UGV) or as a Carry Forward System.

The introduction of Backscatter technology with Micro-X's unique Carbon Nano Tube (CNT) field emission technology X-ray source has enabled the integration of a lightweight, electronically controlled single-emitter tube that can be fired and collimated. This technology introduces the ability to detect organic material.

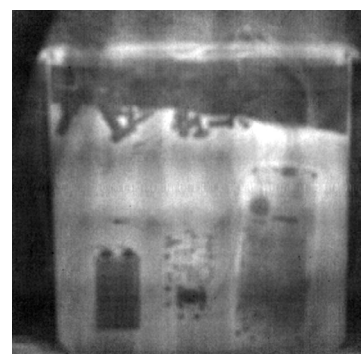
The IED X-ray Imager operates independently and has the ability to switch modes, providing backscatter and transmission X-ray to provide high resolution images for Advanced Manual Techniques (AMT) Operations.

When operating in Rapid Assessment Mode the Graphic User Interface (GUI) will operate on the proprietary Rapid Assessment Software (RAS) providing the operator with the functionality required to interpret a suspect device. These include:

- Rotate
- Histogram
- Pan, Zoom
- On-screen measurement

When switched to transmission mode the system will operate on Sandia National Laboratories XTK® X-ray Tool Kit.

The Rapid Assessment Software (RAS) Android Application has been designed to integrate with ATAK® (Android Team Awareness Kit).



## TECHNICAL SPECIFICATIONS

MICRO-X

Maximum kV	160kV
Detection Area	20cm x 20cm
Dimensions (L x W x H)	385mm x 145mm x 490mm
Total Weight	15kg
Battery	BB2590
Operating Time	30 minutes constant scanning, 120 minutes standby mode
Software	Livestream x-ray probability imaging software, (XTK compatible)

## COMMUNICATIONS

1W, 900MHz COFDM/MIMO Radio with Mesh Networking Support

256-bit AES encryption

2x Rugged, Flexible Omnidirectional 900MHz antennas

## DISCRIMINATORS

Backscatter technology introduces organic detection

Self Contained System

Agnostic UGV integration

Eliminating the EOD Technicians 'Time Over Target' (TOT)



For more information about the Micro-X IED X-ray Imager contact:

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