

**NEW!**  
HME Capability

# XPAK-i G2

STRATEGIC DETECTION OF EXPLOSIVE ACTIVITY

XPAK G2



i-MODULE



## XPAK-i G2 - the complete solution for Trace Explosives Detection.

Our goal at RedX is to change the nature of the IED fight. The **XPAK-i G2** combines the **XPAK G2** with the **i-MODULE** and **XPAK SPOTLIGHT** software. The **XPAK G2** and the **i-MODULE** were developed as part of a new conceptual framework for fighting terrorism that is focused on identifying the source of the explosive activity so that it can be disrupted and eliminated. Every feature is focused on this goal. There is significant U.S. and foreign focus on moving the IED battle 'left of boom', namely, to the disruption of terrorist networks and facilities. The **XPAK G2** in combination with the **i-MODULE** data logging, visualization, and analysis tool permits the collection of tactical and strategic information in the most streamlined system available today.

### DETECT

Collect and analyze samples over wide target area



Instant screening of people, objects, and vehicles

### RECORD

Bar code and record samples and GPS coordinates



Instant record of detection data, sample preservation for analysis

### ANALYZE

Download data and map to identify "hot" zones



Concentration of "hot" samples reveals explosives activity location

**XPAK**

Robust, portable and user-friendly detector

**i-MODULE**

Automated data logging and transfer system

**XPAK SPOTLIGHT**

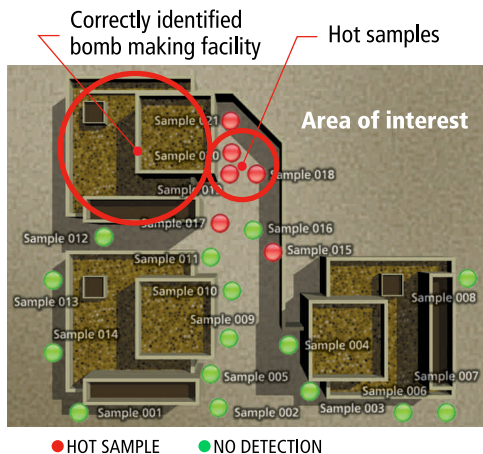
Software for visualization & analysis of detection patterns

# Fighting IEDs at their source

The image at right shows the results of sample field operations.

Red dots indicate the presence of trace explosives, green dots indicate the absence of trace explosives. As can be clearly observed, there is a grouping of detections in an area adjacent to the bomb making facility.

The **XPAK-i G2** is a key element in intelligence and information gathering activities necessary to detect and disrupt terrorist networks.



## SPECIFICATIONS

### XPAK G2



### i-MODULE

- Detection Principle - Fluorimetric Detection
- Explosives Detected - TNT, DNT, RDX, PETN, HMX, Semtex, Tetryl, C4, PE -4, COMP B, Deta sheet, Prima sheet, Det cord, Prima cord, Picric Acid, TNB, DNB, Nitroglycerin, **HME (Homemade Explosives)\***
- Sampling Capabilities - Trace Particles
- Sampling Applications - People, vehicles, packages, bags, surfaces
- Time to Sample/Analyze - Detections under 15 seconds\*\*
- Calibration - None required
- Warm-up Time - None required
- Consumables - Detection ink, detection paper
- Power Source - Rechargeable Li-ion battery (charger included)
- Operating Temperature Range (may vary) - 32°F to 120°F (0°C to 49°C)
- Dimensions - 18" x 12.5" x 4.25" (Height x Width x Depth)
- Barcode format - Code 39 with 13 characters including checksum
- USB Cable - USB-A Connector (PC) to Mini-B Connector with 5 pins (i-MODULE)
- GPS Accuracy - Type 1 (Satellite) 15 meters x HDOP (95%)  
Type 2 (Differential) 3 meters x HDOP (95%)
- Stored Record Capacity - hundreds of records
- Battery life - 8 hours
- Class 2 Laser Scanner

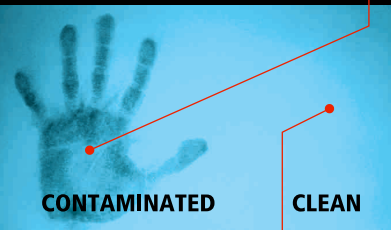


Laser light: Do not stare into beam.  
Class 2 laser product.  
Laserlicht - Nicht in den Strahl blicken.  
Laser klasse 2.  
Lumière laser - Ne pas regarder dans le faisceau.  
Appareil à laser de classe 2.  
630-680 nm, 1mW

\* New detection capability.  
\*\* Some detections may take longer, please contact RedX for information or a demonstration.

## CORE TECHNOLOGY

In this photograph, the darkened silhouette of the **left handprint** confirms the presence of trace amounts of explosives.



The **right handprint** (not visible) shows no darkening and thus indicates the absence of explosives residue.

RedXDefense offers a comprehensive suite of security solutions for combating explosive threats. Our customized security architecture uses innovative products and technologies implemented by subject matter experts and addresses a wide range of applications from portable trace detectors and guest screening systems to command and control software and canine remote handler technology.



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