

XPAK-i

XPAK-i
Screen, map, analyze.



XPAK

i-MODULE

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

Our goal at RedX is to change the nature of the IED fight. The XPAK and now 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 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 detection samples over wide target area



Instant screening of objects, vehicles and people

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

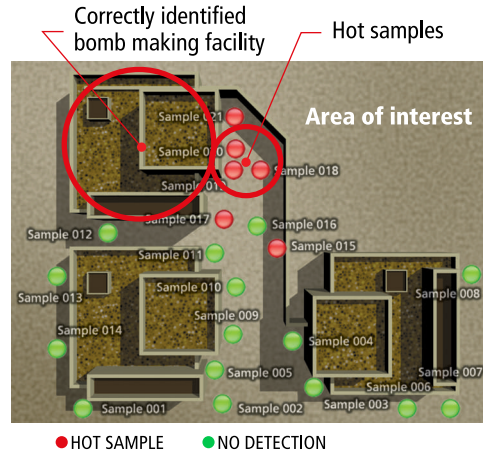
Software for visualization & analysis of detection patterns

Fighting IEDs at their source

The image at right shows the results of actual 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** is a key element in intelligence and information gathering activities necessary to detect and disrupt terrorist networks.



SPECIFICATIONS

XPAK

● Detection Principle	Fluorimetric Detection
● Explosives Detected	TNT, DNT, TNB, Picric Acid, Tetryl, Comp B RDX, C4, PE-4, Deta sheet, HMX Nitroglycerin, PETN, EDGN, Det. cord, Prima cord, Prima sheet, Semtex, Nitrocellulose, among others. Inquire with RedX about additional detection capabilities to include homemade explosives.
● Sampling Capabilities	Trace Particulates
● Sampling Applications	People, vehicles, packages, bags, surfaces
● Time to Sample/Analyze	Analyze samples within seconds
● Calibration	None required
● Warm-up Time	None required
● Consumables	Detection ink, detection paper
● Power Source	Eight rechargeable AA batteries (charger included)
● Dimensions	17" x 11" x 4.25" (Height x Width x Depth)
● Weight	Less than 10 pounds fully loaded
● Certification and Testing	- MIL-STD-810F Method 501.4, High temperature storage - MIL-STD-810F Method 502.4, Low temperature storage - MIL-STD-810F Method 507.4, Humidity - MIL-STD-810F Method 516.5, Mechanical Shock, Procedure IV, Transit Drop - FCC Part 15 Class A, EN 61326, and Industry Canada ICES-003, EMC emissions and immunity testing - UL 61010-1 and EN 61010-1 Safety Certification

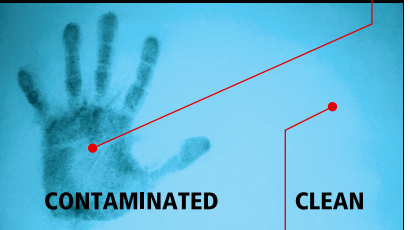


i-MODULE

- 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

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.

The use of trace explosives detection in operations ranging from increased precision targeting to battlefield shaping, search, to intelligence and evidence file creation is a core competency of all **RedX** products.

RedXDefense is a complete solution provider for defense against explosive threats. We offer a suite of security solutions for guest screening, vehicle and package screening, and security management.



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