

# XAVER™ 100

## HANDHELD, THROUGH-WALL LIFE DETECTOR



Xaver™ 100 User Interface

The **Xaver™ 100** is an ultra-portable, handheld and durable presence of life detector. The **Xaver™ 100** provides Military, Law Enforcement and Search & Rescue personnel with critical information in real-time about the presence of life and its distance behind a wall, enabling better tactical decision making in various operational scenarios such as:

- **Tactical Entry/Assault:** Alert operators to the presence of potential threats
- **Hostage Recovery:** Quickly determine which spaces are occupied
- **Search & Rescue:** Effective detection of trapped or injured people
- **Breaching:** Plan for effective and safe entries
- **Force Protection:** Create a “Virtual Window” to spot external approaching threats providing a clear operational advantage and the ability to “*step into the known*”™

# XAVER™ 100

## HANDHELD, THROUGH-WALL LIFE DETECTOR

### Specifications:

<b>Penetrable Wall Materials:</b>	Cement, plaster, brick, concrete, reinforced concrete, adobe, stucco, drywall and many other standard building materials
<b>Detection Range:</b>	4m (13 ft.), 8m (26 ft.), 20m (65 ft.)
<b>Field of View:</b>	120° in both Azimuth and Elevation
<b>Display Mode:</b>	Indication of target, presence, movement direction, and distance
<b>Frequency Range:</b>	3GHz to 10GHz
<b>Approx. Dimensions (l x w x d):</b>	21.8 X 9.7 X 6.5cm (8.5 X 3.8 X 2.5")
<b>Approx. Weight:</b>	660g (1.45 lbs) with (4) Lithium 123 batteries installed
<b>Power Supply:</b>	(4) Lithium 123 batteries (optional (2) Lithium AA batteries)
<b>Approx. Battery Operation Time:</b>	3.5 hours with (4) Lithium 123 batteries
<b>Wireless Capability:</b>	Optional built-in wireless module for remote monitoring and control



### Features:

- Ultra portable and compact
- Optimized ergonomic and rugged designed
- Reliable detection of life behind most common wall materials
- Simple user interface for clear and immediate interpretation
- Indication of target presence, movement direction and distance
- 20m (65 ft.) detection range
- Enables "Stand-Off" operation (within detection range)
- Coexistence capability for operation of multiple Xaver™ 100 units simultaneously
- Optional internal wireless capability for remote monitoring and control
- Complies with MIL-STD-810F

### Technology:

The **Xaver™ 100** utilizes a state-of-the art system architecture, encompassing multiple cutting edge technologies. A unique and micro-power Ultra-Wideband (UWB) pulsed radar sensor that operates at very high bandwidth for industry leading performance. Mathematical algorithms are used to cope with cluttered environments resulting in a highly reliable object presence and distance detection. A simple user interface and ultra-portable form factor are key features of the design. The **Xaver™ 100** has an optional internal wireless module for full remote control and viewing options.



Canadian Law Enforcement and Military Agencies please contact Enforcement Technology Group, Inc. (ETGI) at 414-276-4471 or email [info@etgi.us](mailto:info@etgi.us) for additional information and pricing.

### Radiation Safety:

The Xaver™ 100 is completely radiation safe. It is designed to provide superior performance while meeting the requirements of ICNIRP-1998 radiation exposure restriction.