

XAVER™ 100

HANDHELD, THROUGH-WALL LIFE DETECTOR



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 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 safety** - Create a "Virtual Window" to spot external approaching threats
- **Providing a clear operational advantage** - the ability to "step into the known"
- The Xaver™ 100 has been deployed by users worldwide.

XAVER™ 100

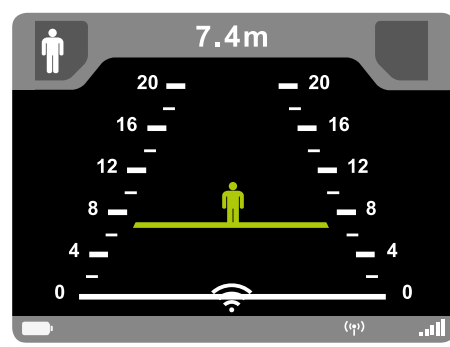
TECHNOLOGY

The Xaver™ 100 utilizes a state-of-the-art system architecture, encompassing multiple cutting edge technologies. A unique 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.

FEATURES

- Ultra portable and compact
- Optimized ergonomic and rugged design
- 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 detection range
- Enables Stand-off operation (within the 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

XAVER™ 100 USER INTERFACE



TECHNICAL SPECIFICATIONS

Device type	Handheld through-wall radar
Penetrable wall materials	Cement, plaster, brick, concrete, reinforced concrete, adobe, stucco, drywall and many other standard building materials
Detection range	4m, 8m, 20m
Field of view	120° in both Azimuth and Elevation
Display mode	Indication of target presence, movement direction, and distance
Frequency range	3GHz to 10GHz
Dimensions	L:21.8cm, W:9.7cm, D:6.5cm
Weight	660g with 4 Lithium 123 Batteries
Power supply	4 Lithium 123 Batteries (optional 2 Lithium AA Batteries)
Battery operation time	3.5 hours with 4 Lithium 123 Batteries
Wireless capability	Optional built-in wireless module for remote monitoring and control
Accessories (optional)	XaverNet™ (remote wireless ToughPad)

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.



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