

XAVER™ 800

HIGH PERFORMANCE ISR PORTABLE THROUGH-WALL IMAGING SYSTEM



Xaver™ 800 User Interface

The **Xaver™ 800** is a full 3-Dimensional, Intelligence, Surveillance and Reconnaissance (ISR) device, optimized for gathering mission-critical, accurate real-time information on live and static objects from behind solid walls or barriers, including:

- **Presence of Life in the Room**
- **Number of People and Their Location Inside a Room**
- **Tracking of Target Movement Patterns**
- **Target Height and Orientation**
- **General Layout of Room, Including Dimensions and Major Infrastructure Elements**

Military and law enforcement teams conducting urban operations require reliable information for determining the necessary tactical approach to help ensure a successful mission execution. The **Xaver™ 800** dramatically improves situational awareness – providing a clear operational advantage and the ability to “**step into the known™**”.

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Specifications:

Device Type:	3D through-wall radar
Penetrable Wall Materials:	Cement, plaster, brick, concrete, reinforced concrete, adobe, stucco, draywall and many other standard building materials
Detection Range:	4m (13 ft.), 8m (26 ft.), 20m (65 ft.)
Field of View:	80° in both Azimuth and Elevation
Display Modes:	3D view, 2D plain view, 1.5D (range with time history)
Frequency Range:	3GHz to 10GHz
Approx. Resolution:	Range: Better than 3cm (1.18") Cross Range: 30cm (11.81") @ 8m (26 ft.)
Approx. Dimensions (l x w):	Transport: 47 X 47cm (18.5 X 18.5") Operation: 84 X 84cm (33 X 33")
Approx. Weight:	14.5kg (32.4 lbs) including battery
Power Supply:	Rechargeable and mains power source
Approx. Battery Operation Time:	Rechargeable: 2 hours
Accessories:	External battery charger, power supply, hard-shell carrying case, tripod and optional tactical backpack



Features:

- Can be carried and operated by a single user
- Ready to use at the push of button
- Highly reliable detection through most common wall materials
- Unique real 3D imaging
- Simple user interface for intuitive interpretation
- Tracking capabilities
- Simultaneous detection of static and living objects
- 20m (65 ft.) detection range
- Enables "Stand-Off" operation (within detection range)
- Sensitivity to detect non-moving live objects.
- Unique algorithms and signal processing
- Integrated data recording and playback for post mission analysis, training and debriefing
- Includes VGA and S-Video output

Technology:

The *Xaver™ 800* utilizes a state-of-the art system architecture, encompassing multiple cutting edge technologies. A unique, multi-channel and micro-power Ultra-Wideband (UWB) sensor that operates at very high bandwidth enables reliable detection and high object resolution. Patented algorithms are used to cope with cluttered environments resulting in a high quality and intuitive image. Simple operation and compact packaging are key features of the design.



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

Radiation Safety:

The *Xaver™ 800* is completely radiation safe. It is designed to provide superior performance while meeting the requirements of ICNIRP-1998 radiation exposure restriction.