



XAVER™ 800

HIGH PERFORMANCE ISR PORTABLE THROUGH-WALL IMAGING SYSTEM



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
- Room general layout, including dimensions and major infrastructure elements

Special Operation and law enforcement teams conducting urban operations require reliable information for determining the necessary approach to assure successful mission execution. The Xaver™ 800 creates an unprecedented situational awareness picture, providing a clear operational advantage and the ability to "step into the known"™. The Xaver™ 800 has been deployed by users worldwide.

XAVER™ 800

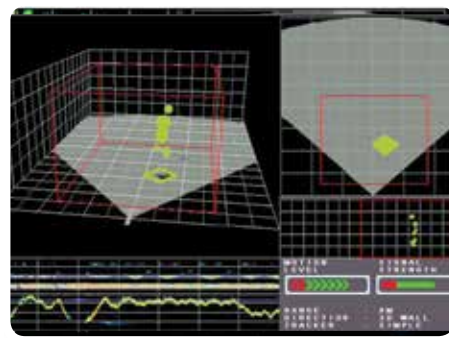
TECHNOLOGY

The Xaver™ 800 utilizes a state-of-the-art system architecture, encompassing multiple cutting edge technologies. A unique, multi-channel, Ultra-Wideband (UWB) sensor that operates at very high bandwidth enables reliable detection and industry leading 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.

FEATURES

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

XAVER™ 800 USER INTERFACE



TECHNICAL SPECIFICATIONS	Device type	3D through-wall radar
	Penetrable wall materials	Cement, plaster, brick, concrete, reinforced concrete, adobe, drywall and other standard building materials
	Detection range	4m, 8m, 20m
	Field of view	80° in both Azimuth and Elevation
	Display mode	3D view, 2D plain view, 1.5D (range over time history), side view
	Frequency range	3GHz to 10GHz
	Resolution	Range: Better than 3cm; Cross Range: 30cm at 8m
	Dimensions	Transport: 47cm x 47cm Operation: 84cm x 84cm
	Weight	14.5kg including battery
	Power supply	Rechargeable battery and mains power source
Battery operation time	Rechargeable: 2 hours	
Accessories	External battery charger, power supply, hard-shell carrying case, tripod, tactical backpack	

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.



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