



Through-Wall Motion Mapping For Enhanced Tactical Entry

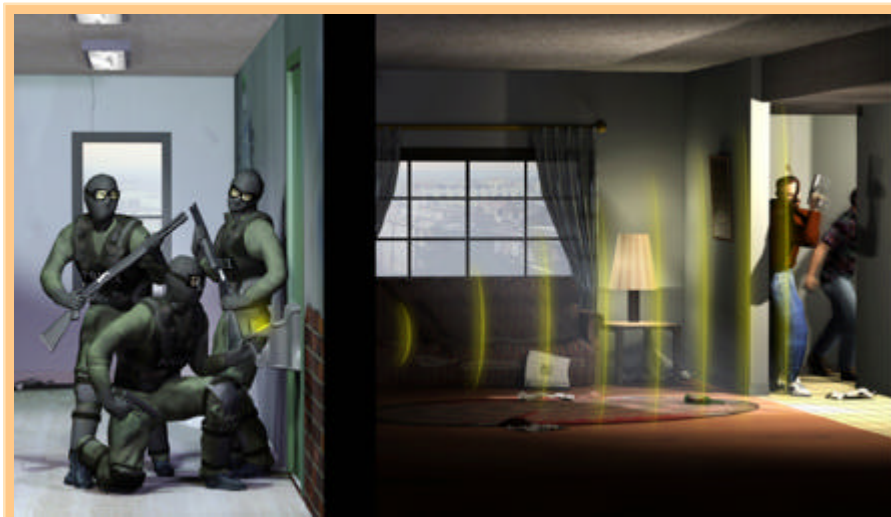


RadarVision: the hand-held ultra wideband device that enables users to detect the movement of people behind walls

- Hand-held
- Light-weight
- Rugged
- Easy to operate
- Maps motion
- Intuitive graphical display
- Rechargeable battery
- Ultra wideband technology

Critical decisions are made every day by law enforcement officers. The better the information they have, the better the decisions they can make. Information that can help to identify potential threats and reduce risks is the most valuable of all, particularly if the information reveals unseen dangers.

RadarVision® is designed to detect people in motion behind walls. Powered by a PulsON® chipset, the radar uses ultra-wideband pulses—10 million per second—to penetrate most common building materials. A “map” of detected motion is displayed onboard to give the operator a real-time depiction of direction and distance to the motion contact.



Under most circumstances, the signal penetrates reinforced concrete, concrete block, sheetrock, brick, wood and wood composites, plaster, tile, fiberglass. The signal does not penetrate solid metal or metal-coated objects.

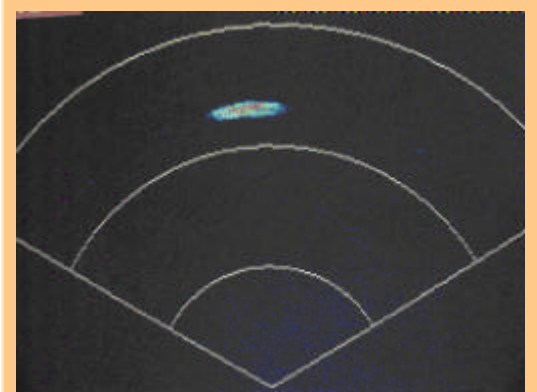
Potential Applications:

Law Enforcement, Search & Rescue

- **Tactical Operations** when knowledge of where people are—before officers enter a building—can help prevent death and injury.
- **Search Operations** when people in hiding need to be located without alerting them to the search.

Military

- **Covert Operations & Urban Warfare** where assessing an enemy position and assessing risk while remaining undetected are essential.



A moving target displayed on the 30 foot scale shows movement at the 24 foot distance.

Product Specifications:

Technical Characteristics		Power Requirements	
EmissionType:	Coded ultra wideband pulses	Power:	Removeable/rechargeable battery
Pulse Rate:	10 Million pulses per second	Operating Time per Charge:	>1 Hour
Transmit Power:	50 microwatts	Recharge Time:	<4 Hours
Performance		Dimensions	
Range Accuracy:	<3 ft.	Size:	22"x14"x8"
Horizontal Field of View :	> $\pm 60^\circ$	Weight:	10 lbs
Vertical Field of View:	> $\pm 30^\circ$	Enclosure:	High Impact Plastic
Unobstructed Line of Sight:	30 ft through Interior Wood Gypsum Wall & 8" Solid Concrete	Color:	Black
Environmental			
Shock/Vibration :	Storage: Drops from 48" + transportation vibration Operation: 30" Drop		
Humidity:	0% to >90% (Non-condensing)		
Liquid:	Water resistant (not submersible)		
Operating Temperature:	+14° F to +122° F, (-10° C to +50° C)		
Storage Temperature:	-4° F to +140° F, (-20° C to +60° C)		

This device has not yet been authorized as required by the rules of the FCC. It is not, and may not be, offered for sale or lease, or sold or leased, in the USA to commercial customers until authorization is obtained. Time Domain is in the process of preparing this device for authorization.