



MicroDetector™ is the world's first motion-sensing device that is portable, rechargeable, retrievable and provides for monitoring via an off-premise receiver.

Designed for use in tactical field operations, MicroDetector, from UltraVision Security Systems, Inc., has been called a "force multiplier" by leading law enforcement officials. The MicroDetector Personal Motion Detector 1 (PMD-1) is a small, portable, battery-operated motion detector that uses microwave technology to perform motion sensing operations. Designed to protect operations personnel in tactical field situations, MicroDetector PMD-1 is ideal for police departments and other law enforcement agencies. MicroDetector PMD-1 provides law enforcement with the opportunity to maximize use of their force members, ensuring the safety of both law enforcement personnel and the public they protect.

Specifications

- Size: 4 in diameter (10 cm) 1.5 in thick (4 cm)
- Weight: 8 oz (226 g)
- Motion detection range: 20 ft (6.1 m)
- Battery charger: Induction (wireless)
- Charger power: 240VAC/120VAC
- Rechargeable battery life: 12 hours continuous or 48 hours in power saver mode
- Housing: Environmentally sealed, waterproof to depth of 1 m
- Reporting frequency: WiFi 900MHz (7 useable channels)
- Environmental: 0° F to 120° F (-18° C to 49° C)

Features

- Operation reporting: Each sensor automatically reports three times per minute to the base station to indicate a unit functions, sensor serial number is reported
- External plug: Each sensor has an external power connector
- Customer variations: Such functions as gain, sensitivity, duty cycle and schedule are customer-adjustable
- Omni-directional detection
- Wireless range: 300 ft (91 m); repeaters can extend distance
- Motion detection reporting: Alarm tone and serial number

Motion detection that is portable, rechargeable, retrievable and can be monitored via an off-premise receiver.





The Force Multiplier.

Police, SWAT teams and other security personnel are often faced with two operations dilemmas: both clearing an area and, more importantly, ensuring a cleared area remains free from intruders. The MicroDetector™ unit effectively eliminates the need to leave members of a force behind to monitor cleared areas. This reduces both personnel cost and potential danger. MicroDetector effectively “multiplies” the available members of law enforcement for mission-critical tactical operations.

The straightforward design and functionality of MicroDetector PMD-1 requires no user training. An “On/Off” switch in the middle of the device allows for one-handed activation. A field officer simply activates the device and leaves it behind in a cleared area. If motion occurs, a signal is sent back to the receiver. Operations center officers can then alert in-field personnel that the situation in a cleared area has changed.



Force Multiplier	Stakeout Surveillance	Hostage Situations	Forward Base Perimeters
MicroDetector provides law enforcement the ability to maximize force deployments, providing “leave behind” motion detection to ensure cleared areas remain clear.	MicroDetector can provide an “always-on” technological edge that complements officer effectiveness on long, tedious stakeouts where it is difficult to maintain round-the-clock alertness.	Domestic disturbance calls or robberies can turn into hostage situations. MicroDetector can help officers sense motion within a home or other structure, or indicate a complete lack of motion.	In hostile applications, MicroDetector can easily establish protective base perimeters that can be set up and taken down in a matter of minutes.

Product subject to export regulations of the US State Department in accordance with ITAR regulations.



The future in motion

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