



The future in motion



UltraVision Security Systems, Inc.
Product Backgrounder: UltraSensor™

UltraSensor™ is designed to protect high-value, highly sensitive, critical environments—like water treatment plants, utilities, national treasures, embassies and other government and commercial structures— by providing early warning perimeter alerts before an intruder has an opportunity to enter into a sensitive area. Using ultra wideband (UWB) technology, UltraVision has produced an evolution in the motion sensor industry. Unique characteristics of the UltraSensor include pinpointing not only intruder motion, but also distance, velocity and mass. Additionally, and most distinguishing the product from the large field of motion sensor technologies, the UltraSensor product is designed to sense motion through such solid barriers as walls, roadbeds, sidewalks and ceilings. The product can effectively “see” through walls, a feature thus far only available in Hollywood movies and other science-fiction sources. More intelligent and accurate than any other motion-sensing technology, the UltraSensor collects only critical data, promising fewer false alarms. These advances in motion sensor technology deliver the necessary data for security professionals to make fast and appropriate decisions on intruder threats. Further, the rugged UltraSensor is impervious to weather, ambient lighting and other disruptors like falling landscape debris, while remaining invisible to the naked eye, creating a tamper-resistant solution.

The UltraSensor uses ultra wideband (UWB) technology to provide the most intelligent data and accuracy in intrusion and perimeter protection. Unique product characteristics include:

- Pinpointing of motion velocity and distance, and intruder mass
- Can be installed under walkways, roadbeds, in building side walls or ceilings, sensing movement through such barriers
- Tamper-resistant; impervious to weather, ambient lighting and other disruptors
- Low false alarm rate
- IP-compatible
- Easily integrates into existing intrusion, access control and building management systems

There are two UltraSensor products, the UltraSensor™ CMD1 and the UltraSensor™ CMD2.

Ultra Sensor™ CMD1 Specifications	
Detection range:	25 feet (8 meters)
Dimensions:	14 x 14 x 2 inches (36 x 36 x 5 cm)
Weight:	5lbs. (2.3 Kg)
Material:	ABS plastic case
Power requirements:	6 Watts @ 12 VDC or 48 BDC
Operating temperature range:	-20° C to 55° C
Device supervision and network structure:	Ethernet
Devices per network:	Up to 48
Alarm output:	Electronic relay
Buriable depth:	Up to 6' (15 cm) of material
Buriable materials:	Earth, concrete, asphalt



Ultra Sensor™ CMD2 Specifications	
Detection range:	25 feet (8 meters)
Dimensions:	16 x 14 x 8 inches (40 x 35 x 20 cm)
Weight:	5 lbs. (2.3 Kg)
Material:	ABS plastic case
Power requirements:	6 Watts @ 12 VDC or 48 VDC
Operating temperature range:	-20° C to 55° C
Device supervision and network structure:	Ethernet
Devices per network:	Up to 48
Alarm output:	Electronic relay
Buriable depth:	Up to 6' (15 cm) of material
Buriable materials:	Earth, concrete, asphalt

Types of high-value asset protection needs that can most benefit from the use of the UltraSensor™ are properties with high-security perimeter detection needs. This list includes, but is not limited to:

- Nuclear plants
- Defense contractors
- Water treatment facilities
- Other utilities
- Federal and state office buildings
- Transportation centers
- Historical sites
- Museums
- Commercial perimeter detection
- New vehicle storage lots
- High-value content warehouses
- Financial institutions
- Airport parking lots
- Remote facility alarm detection
- Telephone substations
- Cellular towers
- Pipeline pumping stations
- Seasonal facilities

Currently, the UltraSensor product has been successfully deployed in the United States and Italy. The product is distributed directly by UltraVision.

For More Information Contact:
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