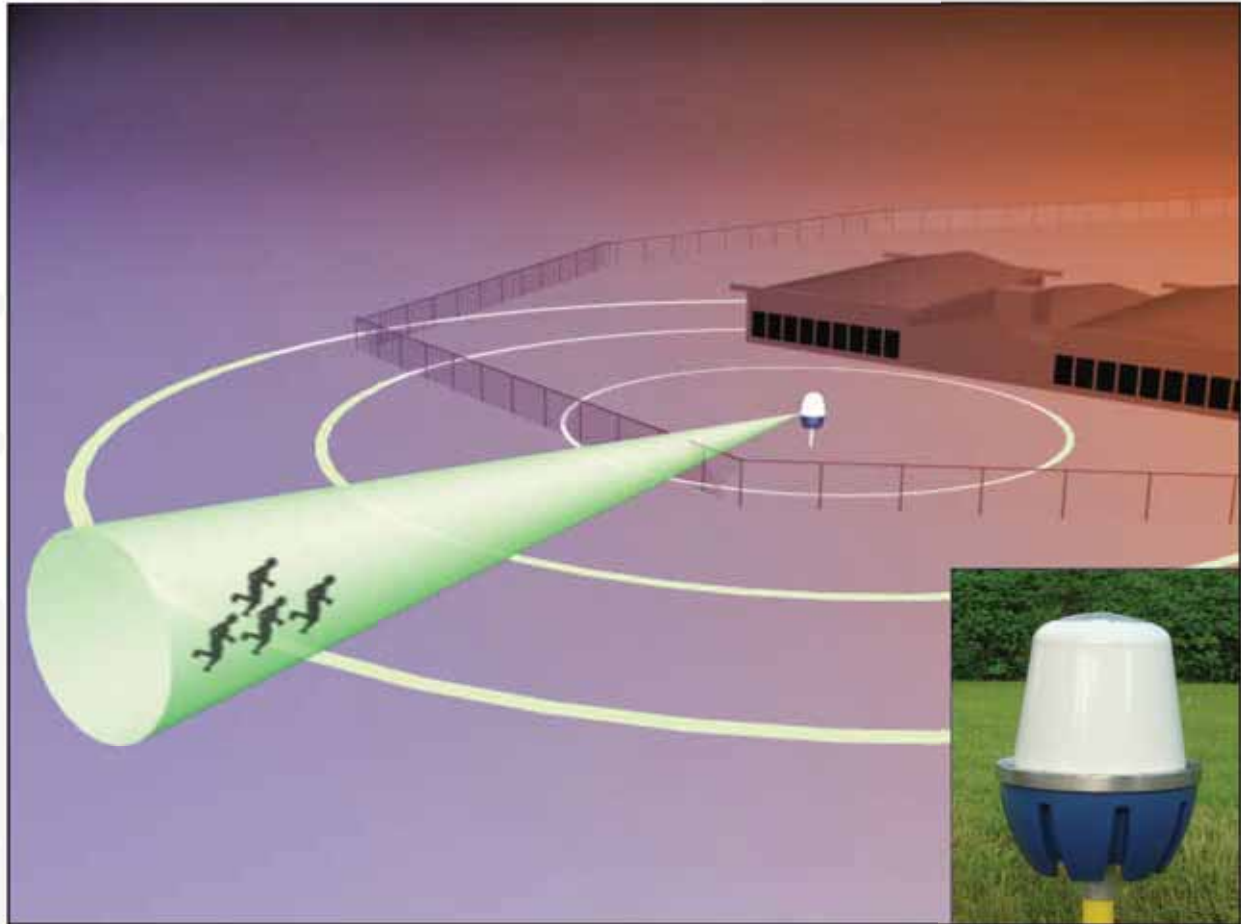


W800 Surveillance Radar



The Navtech W800 Surveillance Radar provides automatic perimeter security for large open spaces. The sensor detects moving or stationary objects appearing anywhere within a range of 10 meters up to 800 meters in all weather conditions and light levels.

The Navtech W800 is a high performance 77GHz Millimeter Wave FMCW radar designed for continuous use in harsh environments. The system is extremely rugged with built-in self-test, condition monitoring and calibration.

The radar system constantly scans 360-degrees up to 800m once a second. The radar fills a volume of space in which detection data is processed every 25cm from the sensor out to the 800m instrumented range. Intelligent assessment of the intruder threat is then provided by Navtech NS3-CT software.

Network enabled Surveillance Radar

Multiple radar systems can be networked together to provide complete coverage of expansive sites. Using the Navtech NS3 Site Security System and Navtech W800 radar, a complete multi-sensor intruder detection system can be realised.

Key Benefits

- Compact, low cost radar surveillance
- Effective in all weather and light conditions
- High range and azimuth resolution for excellent object detection
- Continuous tracking of target allows intelligent assessment of intruder threat
- Built-in self-test, condition monitoring and calibration
- Available for temporary or permanent installation
- Low radiated power
- 360 degree coverage
- Single unit covers up to 1.6km diameter
- Enhanced site security
- Low cost and rapid installation
- Battery operation optional
- Ethernet interface



Technical Specifications

Radar	W800	W800-H
Max range	800m	800m
Range resolution	0.25m	0.25m
Measurement rate	850 per second	850 per second
Target false alarm rate	1 per 24 hours	1 per 24 hours
Detect/track man walking	10-500 meters line-of-sight	10-800 meters line-of-sight
Detect/track man running	10-450 meters	10-700 meters
Detect person crawling (hands and knees)	10-300 meters	10-460 meters
Detect person crawling (low profile)	10-175m	10-280m
Scanner field of view	360 degrees	360 degrees
Scan speed	1.0 Hz	1.0 Hz
Interfaces	100 MB Ethernet	100 MB Ethernet
Supply voltage	+24V nominal (12-36v)	+24V nominal (12-36v)
Power consumption	22W	22W
Environmental	IP67, NEMA-4X	IP67, NEMA-4X
Temperature	-20 to 60degrees C	-20 to 60degrees C