Navtech W800 Surveillance Radar

To view a video demo of Navtech in motion click here The Navtech W800 surveillance radar is designed to provide automatic perimeter security for large open areas. Based on Navtech's field proven industrial sensor technology the unit is capable of detecting moving or stationary objects up to maximum range of 800m in all weather conditions and light levels. The Navtech W800 is a high performance 77GHz Millimetre Wave FMCW radar. Designed for industrial sensor applications it is intended 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 a full 360º across the entire designated area, from close range up to 800m once every second. Detection data for every azimuth sector is transmitted over the ethernet interface. This data can then be processed to detect and locate intruders.
Multiple radar systems can be networked together to provide complete coverage of expansive sites. Using the Navtech NS3 Site Security System and a number of Navtech W800 radar, a complete multi-sensor intruder detection system can be realised. Navtech W800 Features

- Compact low cost radar surveillance.
- Enhanced site security. Very difficult to evade.
- Largely unaffected by rain, fog, dust, and smoke.
- Field proven technology.
- High range and azimuth resolution for excellent object detection.
- Capable of detecting a walking man at 500 meters.
- Low radiated power that poses no threat to humans.
- Full 360 degree coverage.
- Single unit can cover up to 1.6KM diameter.
- Continuous tracking of target allows intelligent assessment of intruder threat.
- Rapid low cost installation. Can be used for temporary or permanent installation.
- Battery operation optional.
- Can be used where other security systems are not practical e.g. over water.
- 100Mbit Ethernet interface for high resolution data and industry standard networking