Navtech Radar NS3

To view a video demo of Navtech in motion click here The Navtech Site Security System NS3-CT is designed to provide automatic perimeter security for airports, ports, large industrial sites, and other high value installations. Using a networked array of overlapping Navtech security radar, the whole perimeter and internal area can be monitored from a single central control and display unit. With the addition of the CCTV interface, targets can be tracked and viewed without any user interaction.Based on the Navtech 'W series' security radar, the NS3-CT monitors stationary and moving targets up to a range of 800 meters from each sensor, in all weather and light conditions. See specification for specific target detection ranges.Each radar system constantly scans a full 360º across the entire designated area, from close range up to 800m.
If objects are detected in the preprogrammed alarm zones, the NS3-CT will command the CCTV cameras to focus on these. Capable of detecting multiple intruders in different areas simultaneously, it can also be configured to trigger audible alarms or activate other security equipment.Advantages
- Enhanced site security. With fully automated detection capability, the NS3-CT removes the possibility of human error caused by a lapse in operator concentration.
- Very difficult to evade.
- Continuous tracking of target allows intelligent assessment of intruder threat.

A simple and easily understood display of all detection data can be overlaid
on the site map.
- A rapid and low cost installation which can be used for temporary or permanent applications.
- Can be used where other security systems are not practical e.g. over water.
- Reduced manpower costs. Only one person is required to supervise operations.
- Manned patrols can be reduced or eliminated. NS3-CT system features:
- Configurable to identify objects above a given size, so that irrelevant background movements are filtered out.
- Discriminates between threats and background clutter based on heading, speed and geographical area.
- Detects small objects including a walking, crouching or crawling person.
- Provides a record of movements over time across the entire survey area, or it can focus on specific areas, for example the walkways between buildings.
- Directs a CCTV camera to a detected threat and automatically control the camera to follow the threat in head/shoulders or wide area settings.
- Records avi files and raw data sets or screen shot bitmaps.
- Overlays a detected intruder position on a background map or aerial photo of the area.
- Selectable zones of interest to display in the field of view.
- Assigniment of detection zones, providing different levels of alarm in sensitive areas.
- Assignment of non critical zones to allow for normal site operation.
- Automatically compensate for background changes to the environment e.g. moving trees, grass etc.
- The system calculates heading, position and velocity of intruders and plots their track.