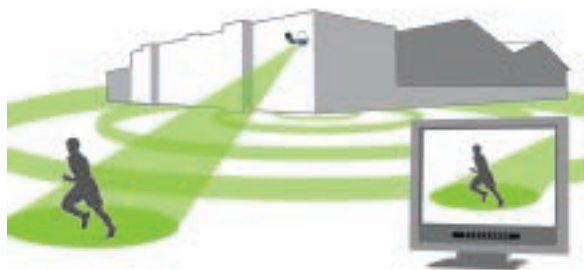


W800 SERIES

Radar Detection System



The new RadarView system detects and tracks intruders moving at ranges up to a 500 metres radius from the sensor. An audible and visual alarm can be raised to alert security staff, avoiding the need for them to constantly monitor screens. The radar will independently control up to 5 separate PTZ cameras to display and track multiple threats at the same time.

With approximately 100 times less emitted power than a conventional mobile phone, the radar is entirely safe to operate. Its compact size and undemanding power and coms requirements make it easy to install as a temporary or permanent fixture, with no expensive maintenance regime.

The radar scans in 360° and will perform to specification in all weather and light conditions, 24 hours a day. It is also unique in its effectiveness as a sensor over expanses of water.

Radars	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	0-700 meters line-of-sight
Detect/track man running	10-450 meters	10-600 meters
Detect person crawling (hands and knees)	10-300 meters	10-400 meters
Detect person crawling (low profile)	10-175m	10-250m
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	IP66, NEMA-4X	IP66, NEMA-4X
Temperature	-20 to 60degrees C	-20 to 60degrees C

KEY FEATURES:

- Field proven British commercial off-the-shelf technology
- Built in self test, condition monitoring and calibration
- 'Fit & forget', low maintenance requirement
- 360° coverage, including over water
- High range and azimuth resolution for excellent target detection
- Effective in all weather and light conditions

W800 SERIES

Radar Detection System

The radar beam spreads outwards from the sensor at a narrow horizontal and vertical angle, hitting the ground and filling a volume of space like a torch beam. It is practically impossible to evade. False alarms can be filtered out in the security software or by camera verification.

The radar is supplied complete with a suite of NS3-CT site security software. This is normally pre-installed on a rack mounted computer. It allows the operator to establish detection zones on a background map or aerial photograph of the area, upon which is displayed the location, speed and direction of any intruder. The software commands PTZ cameras to focus upon and display the threats detected.



KEY FEATURES:

- Configurable to identify objects above a given size so that irrelevant background movements are filtered out
- Discriminated 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 controls 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 photograph of the area
- Selectable zones of interest to display in the field of view
- Assignment of detection zones, providing different levels of alarm in sensitive areas
- Assignment of non critical zones to allow for normal site operation
- Automatically compensates for background changes to the environment e.g. moving trees, grass
- Able to calculate heading, position and velocity of intruders and plots their track

