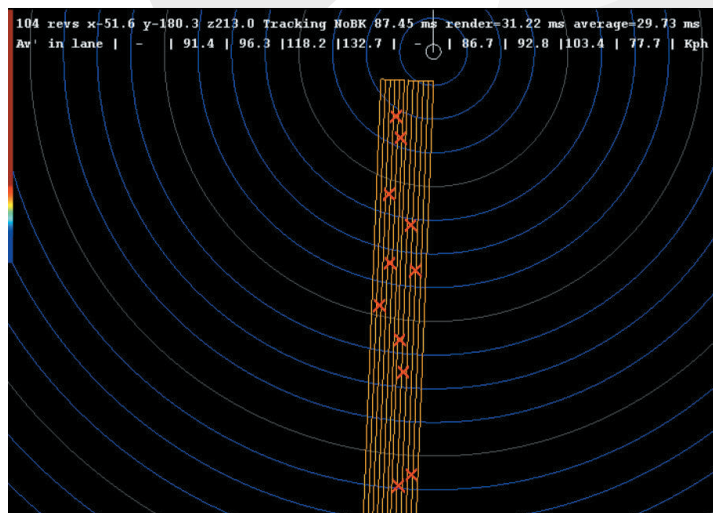


Navtech W800 Traffic Sensor



Network enabled Surveillance Radar

The Navtech W800 Traffic Sensor is designed to provide accurate monitoring of traffic flows and vehicle speeds. Using millimetre wave radar, the full lane and hard shoulder is covered in both directions by one sensor. An option is available to automatically direct CCTV cameras in pan, tilt and zoom.

The Navtech W series monitors stationary and moving vehicles in either direction from close range up to a range of 800 metres from each sensor, in all weather and light conditions.

How Does it Work?

The radar constantly scans a full 360 degrees across the entire carriageway and hard shoulder, from close range up to 800 metres, dependent upon line of site visibility. The W800 provides continuous vehicle tracking of both approaching and receding traffic.

Advantages

- Accurate monitoring - traffic flow and vehicle speed
- Continuous vehicle tracking
- Coverage of approaching and receding traffic (360 degree scan)
- Single compact unit can cover up to 1.6 km (instrumented max range 800m radius over 360 degrees)

The radar hardware and software is entirely Navtech's proprietary design. It is therefore cost effective to engineer modifications and features to specific customer requirements.

W800 Traffic Sensor features and benefits:

- Accurate monitoring - traffic flows and vehicle speed
- Continuous vehicle tracking
- Coverage of approaching and receding traffic (360° scan)
- Single compact unit can cover up to 1.6 km (instrumented max range 800m)
- Full lane and hard shoulder coverage in both directions with one sensor
- Detects both moving and stationary vehicles
- Option to automatically direct CCTV cameras in pan, tilt and zoom
- All weather 24 operation - largely unaffected by rain, fog, dust & smoke
- Simple installation and commissioning
- Installed by bracket on existing infrastructure (gantries or bridges)
- 'Fit and forget' - low maintenance, ruggedised design
- High resolution, stable performance - no re-calibration required



Max Range per sensor (W800)	800m
Range Resolution	0.25m
Scanner field of view	360 degrees
Scan speed	1.0 Hz
Interfaces	Ethernet, RS232
Supply Voltage	+24V nominal (18-36V)
Environmental	IP66, NEMA-4X
Temperature	-20 to + 70 degrees C
Vibration	6.8g 5-200 Hz