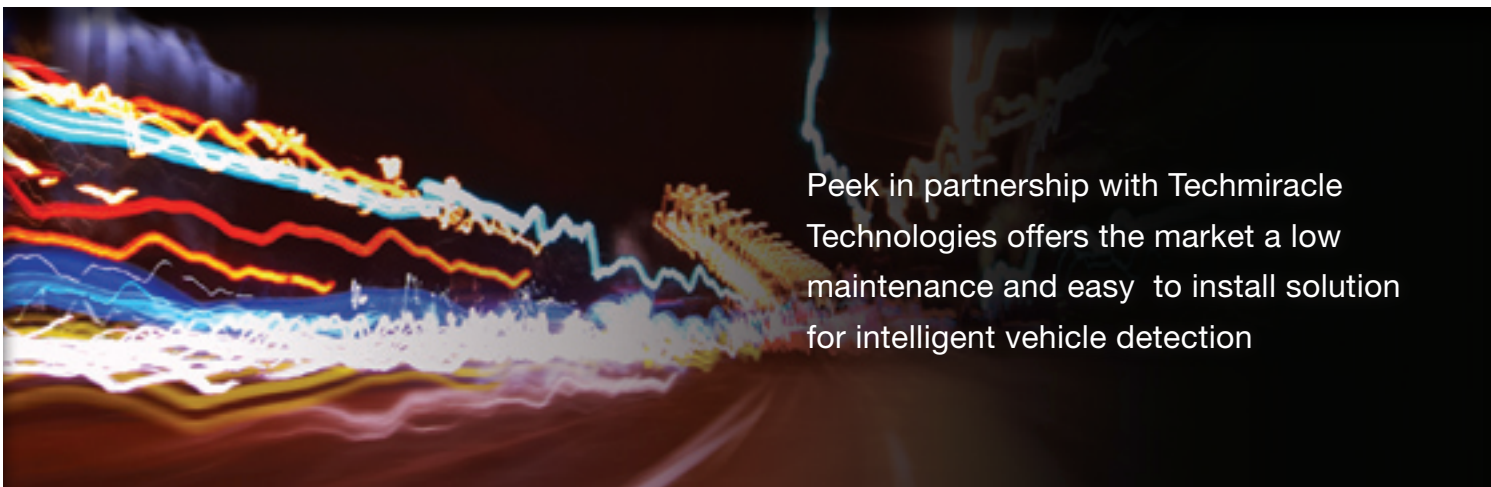


# Techmiracle RTMS G4™

Advanced radar sensor for the detection and measurement of traffic on roadways.



Peek in partnership with Techmiracle Technologies offers the market a low maintenance and easy to install solution for intelligent vehicle detection

## Remote Traffic Microwave Sensor

The non-intrusive, radar based RTMS G4 is an advanced sensor for the detection and measurement of traffic on roadways. It is all weather accurate and virtually maintenance free. It is easy and safe to install and remove without traffic disruptions or lane closures.

The RTMS G4 is a small roadside pole mounted radar, operating in the microwave band. Simultaneously, the sensor provides lane presence as well as volume, occupancy, speed and classification information in up to 12 user defined detection zones. Output information is provided to existing controllers via contact closure and to other computing systems by serial or IP communication port or by an optional radio modem. A single RTMS can replace multiple inductive loop detectors.

The RTMS G4 all-in-one concept combines a high resolution radar and an optional video camera capable of capturing the traffic scene and a variety of communications options including wireless solutions all in a single enclosure. This sleek cabinet free detection station is simple to integrate into any system whether urban signal control or highway traffic management.

## Key Features

- Provides presence indication and accurate measurements of volume, occupancy, speed and classification
- Up to 12 user defined detection zones
- Speedy, safe installation, typically on existing road side poles, with minimal traffic disruption
- Range of up to 75 metres
- Fully programmable to support multiple applications using simple intuitive software
- True presence, detects stationary and fast moving vehicles
- Single or dual loop emulation
- Easy to calibrate by fast, automatic set up wizard and to verify by optional camera
- Reliable all weather performance
- Backwards compatible with all previous RTMS Protocols

# RTMS G4™

Advanced radar sensor for the detection and measurement of traffic on roadways.



## Specification

<b>Dimensions &amp; weight:</b>	21.0cm x 21.0cm x 16.0cm (l x w x h) 1.50kg
<b>Warranty:</b>	One year warranty Extended warranty packages available on request
<b>Coverage area:</b>	Elevation Angle - 50° Azimuth - 12° Range 0 to 76 metres
<b>Mechanical:</b>	Unit is encased in a rugged, watertight NEMA 4X polycarbonate enclosure Mounted on a universal bracket, enabling securing of unit to poles, tilting in both axes, and quick locking
<b>Power:</b>	12-24 volt AC or DC @ 3W 115 or 220 VAC options Surge protection EN 61000-4-5 and IEC 1000-4-5 built in on all external connections
<b>Interface:</b>	Single MS crimp multi-pin connector provides multiple options of power and output signals Standard 8Mb built-in memory for data collection Optional 16 built-in isolated contact pairs rated for 100mA at 350 volts AC for presence indication Isolated serial RS-232 / RS-485 port provides per vehicle measurement data, presence event data Optional second port or TCP / IP-UDP
<b>Frequency bands:</b>	K Band high resolution in the 24 GHz band Optional built in DSS radio modem 900 MHz or 2400 MHz bands
<b>Certification:</b>	FCC and CE Canadian CSA C108.8 - M1983
<b>Measurement resolution:</b>	Detection zones - 12 zones Range (increment) - 0.4 metres Zone width - 2 to 7 metres Time events - 1.3mSec



Peek Traffic Limited, Hazelwood House, Lime Tree Way  
Chineham Business Park, Basingstoke, Hampshire, RG24 8WZ

Tel: +44 (0) 1256 891800 Fax: +44 (0) 1256 891870  
Email: sales@peek.co.uk www.peek.co.uk



Techmiracle Technologies Ltd., Xenus House, Sandpiper Court,  
Phoenix Park, St. Neots, Cambridgeshire, PE19 8EP

Tel: +44 (0) 1480 477585 Fax: +44 (0) 1480 477589  
Email: enquiries@techtechnologies.co.uk [www.techtechnologies.co.uk](http://www.techtechnologies.co.uk)