RoadPod® VM
Real-time, non-intrusive traffic counter

Traffic data in real time

The RoadPod® VM is a discreet, off-grid vehicle counter that provides real-time data on traffic movements.

The tiny sensors work in an array to accurately count vehicles, monitor speeds and classify vehicle type based on the length of each passing vehicle. Gap and headway information is also available and all data is precisely time-stamped.

100% off grid. Solar powered.

The RoadPod VM system operates independently of mains power. Each sensor is powered by a small in-built solar panel and internal battery. Likewise, the central gateway runs off solar energy.

The RoadPod VM Gateway is solar charged & sits in a waterproof cabinet by the roadside, transmitting raw data to the Cloud.

Extremely fast sensor installation

The RoadPod VM was designed to be the simplest and fastest permanent traffic sensor to install on sealed roads. Simply apply a specialised adhesive pad to the road surface, heat and place the sensor on top.

This method allows installation to occur within minutes, with little to no traffic management, nor any cutting of the road surface required.

Data securely transmitted to the Cloud

Each sensor captures time-stamped vehicle information independently, transmitting it to a central gateway which combines the information and securely sends the raw data to the Cloud.

Automated data validation and analysis

MetroCount's online data analytics tool, ATLYST®, receives raw data from the RoadPod VM gateway in real time, validates it and displays traffic summaries on an interactive map and in graphical reports.

ATLYST allows for easy hardware management from anywhere and makes planning/running network-wide traffic surveys a breeze.
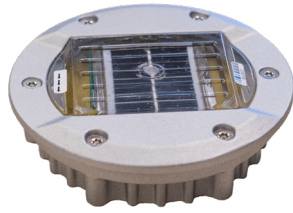
Choose to generate PDF reports, download GIS compatible CSV files or share with stakeholders using ATLYST®'s online dashboard.

www.metrocount.com
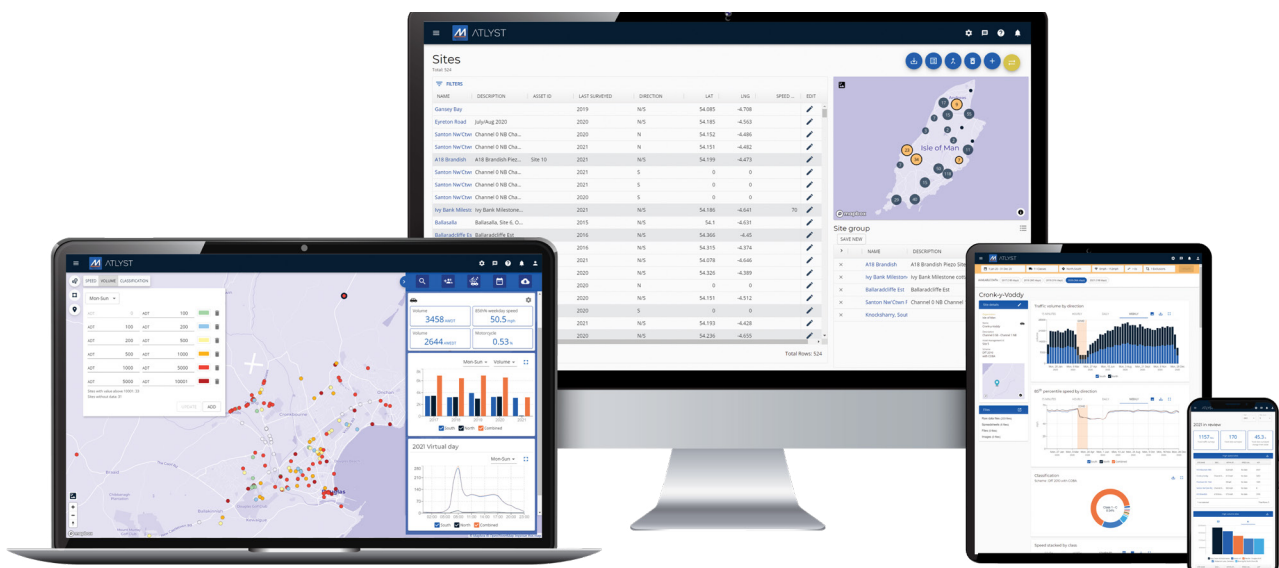
RoadPod® VM & VM-I Hardware Specifications
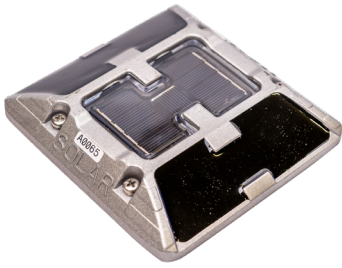
Standard RoadPod® VM sensor

RoadPod® VM-I sensor for areas requiring snow clearing.

Sensors:	Four, 3-Axis digital magnetometers per lane
Optional sensors:	RoadPod VM-I for roads requiring snow-clearing
Sensor Dimensions:	• 110mm x 110mm x 20mm
	• 139mm diameter x 7mm (VM-I)
Memory:	Unlimited (with Cloud connectivity). 250K vehicles (with no connectivity)
Battery life:	Unlimited. (> 30 days with no solar / 25°C road surface temperature)
Battery:	SLA / LifePO4
Enclosure:	Stainless steel pedestal cabinet with embedded solar panels
Dimensions:	400x300x1100mm
Operational:	From -30°C to 80°C degrees
Software:	ATLYST® traffic data management and analysis web dashboard

Installation is quick and easy. Taking the time to position the sensors in a precise array ensures optimum data quality.

> We would not use any other product on high-volume roads again! Switching to the RoadPod VM system saves us money, gives us more data all while reducing the risks to our staff of being on the road.
>
> We were impressed with the timeliness of installation, taking a total of one hour on the carriageway, on a four-lane road. The 24/7 real-time data collected has proved extremely accurate. We compared the data with both video monitoring and a MetroCount tube counter.
>
> Our clients are extremely happy with the user-friendly ATLYST software to view, analyse and share information at the touch of a button. It is the perfect system!
>
> **- ROADING LOGISTICS TRAFFIC CONSULTANCY, NEW ZEALAND.**