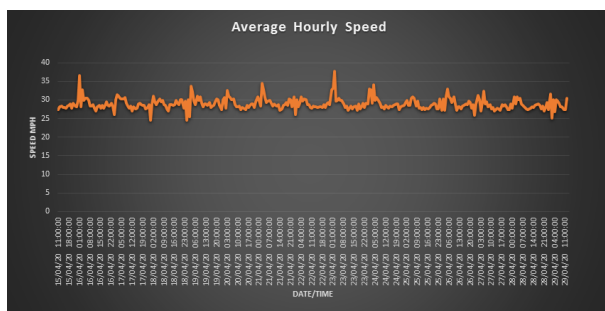# Traffic Data Collection & Communication Solution

MVIS' Data Collection & Communication Solution offers the user access to a solar powered historical portable traffic data source, allowing for analysis of speed and road trends for a particular time. Combined with a Variable Message Sign (VMS), this multi-functional solution can gather valuable data whilst getting vital messages across.

Data Collection

Units discreetly contain a data collation radar that can be used to collect the following traffic data;
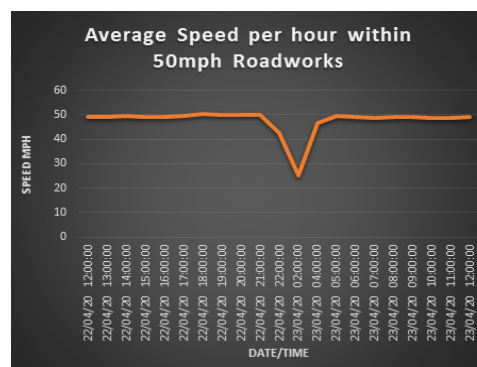
- Speed
- Time
- Date

This solution is a low cost alternative to many data collection solutions on the market and is ideal to be used as a data source for the analysis of traffic trends, enabling greater intelligence for planning projects of all kinds.

It may also help with general road safety, allowing users to identify traffic trends with risk and therefore take steps to combat this.

Sourcing traffic data has never been easier, with data uploading to our server every hour, ready to be downloaded at any time by the user via a web based portal.

Combining data collection and VMS in one unit offers a multi-functional solution that can help collect valuable data at the same time as communicating messages.

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Variable Message Sign (VMS)

As well as data collection, this unit has the added benefit of an integrated VMS, which can be vehicle or speed activated and used at your disposal to display;

- Safety messages
- COVID-19 notices
- Traffic & road updates

For urban environments and roads with speed limits under 50mph, the VMS-A is an ideal solution that works great for road traffic and pedestrians.

For roads with speed limits above 50mph, our VMS-C is ideal, being our largest VMS display, this unit is great for communicating information to high speed traffic.

With a 5-colour LED display for text or pictrograms, the VMS-A and VMS-C are ideal solutions for getting the message across at a time when that is so important.

However, for environments where space is limited, our smaller 2-colour HD Compact is a perfect choice, displaying text, pictograms and animated messages, just like the VMS-A and VMS-C.

Versatile and portable, our VMS range boast the highest quality LEDs and are reliable solutions popular in traffic management and events.

Key Benefits

- Discretely collect data in key zones for intelligence and planning
- Influence driver's behaviour using tried and tested traffic control solutions
- Data uploads to our server hourly and can be downloaded easily by the user
- Solar powered and is easy to update content remotely via a web based platform
- 24/7 support, assisting you with placement, deployment and content for the unit

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MVIS
Mobile Visual Information Systems

Other Features

HD Compact VMS

- Compact 680 x 780mm sign case
- Red and white LEDs for text and pictograms
- 28 x 28 pixel
- Mounted on a portable base box
- Up to four week run time using just three 100 AH batteries

VMS-A / VMS-C

- Full graphics and pictograms
- Non-glare, UV resistant polycarbonate screen
- Security features – GPS tracking, padlock covers
- Programming options – laptop on site, modem, SMS, internet or App

Technical Specifications

VMS-C

Trailer

Overall Length: 3800mm

Travel position: width 2100mm, height 2710mm

Operating position: 2730mm (width), 4030mm (max height)

Weight: 1020kg

Coupling: 40mm towing eye / quick release, 50mm ball

Power

Voltage: 12V

Solar Panels: 2 x solar panels

Operation on batteries / solar: Indefinite under recommended conditions

Display

Display Type: LED full matrix

Communication: SMS, internet, web-based, serial and App

Matrix: 48 x 28

Screen: Non-glare, UV resistant polycarbonate

Brightness Control: Automatic and manual

VMS-A

Trailer

Overall length: 2420mm (1620mm with towing tongue removed)

Width (travel position): 1620mm – 1595mm

Width (operating position): 1620mm

Height (travel position): 2045mm

Height (max operating position): 3200mm

Weight: 580kg

Coupling: 40mm towing eye / quick release, 50mm ball

Power

Voltage: 12V

Solar Panels: 2 x solar panels

Operation on batteries / solar: Indefinite under recommended conditions

Display

Display Type: LED full matrix Display Size: 1610mm x 1040mm

Communication: SMS, web-based, serial and App

Matrix: 48 x 28

Screen: Non-glare, UV resistant polycarbonate

Brightness Control: Automatic or manual

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