JOURNEY TIME SOLUTION (JTS)

MVIS' Journey Time Solution (JTS) incorporates the latest software and hardware technology, providing users with a comprehensive cost-effective and stand-alone solution for short-term road works projects.

It was developed in response to interest from a leading infrastructure services supplier, reflecting MVIS' ongoing dedication to develop innovative ITS solutions in partnership with public and private sector traffic management organisations.

It is portable and so may be quickly and easily installed without the need for civil engineering or external power provision. It is a cost-effective and stand-alone solution for short-term road works.

MVIS' JTS enables road users to make informed decisions regarding how to minimise journey disruption, warning of delays and advising of their extent, providing users with the opportunity to take an alternative route if necessary. It incorporates a VMS-A, two Vysionics' Vector integrated ANPR cameras, MVIS' Web Studio sign management software and two of MVIS' Solar Intelligent Platform (IP).

The VMS-A sign and first Solar IP are deployed towards the entry to the road works and second Solar IP in advance of an exit. Journey time information gathered using the Vector cameras is transmitted via cloud server, and Web Studio is used to display the details on the sign, allowing road users to decide whether to endure the road works or take the exit to embark on a diversion.

TECHNICAL SPECIFICATION

ANPR CAMERA SENSORS

Sensor type and size: Sony Progressive Scan 1/3 inch
Format and resolution: Digital, 1280(H) x 1024(W) pixels
Field of view: Up to 5m at specified range
IR filter: 70nm narrow band pass filter

Mobile Visual Information Systems

OVERVIEW

Sensor type and size: Sony Progressive Scan 1/3 inch

Format and resolution: Digital, 15fps, 1024 x 768

Field of view: Lens selected to suit application

ILLUMINATOR

Wavelength options: White, yellow, 880nm IR, 940nmm IR

Source: High power LED array

PROCESSOR

ANPR: Integrated high performance Vysionics' Vector system

Communications: LAN and integrated 3G or IEEE802.11n

Time: Integrated GPS receiver

GENERAL

Operating temperature: -10°C to 50°C

Power supply: 18-24V AC/DC

Weight and dimensions: 3.8kg, 230mm x 177mm x 125mm

Rating: IP66

VMS DISPLAY

Display type: LED full matrix

Display size: 1610mm x 1040mm

Communication: SMS, internet, satellite, web-based

Matrix: 48 x 28

Enclosure: Aluminium IP54 equivalent

Screen: Non-glare UV polycarbonate

Brightness control: Automatic and manual

Display lifting: Electro lift