

JOURNEY TIME SOLUTION (JTS)

OVERVIEW

Bartco's 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 Bartco's 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.

Bartco's 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 or VMS-C, two Vysionics' Vector integrated ANPR cameras, Bartco's Web Studio sign management software and two of Bartco's Solar Intelligent Platforms (IP).

The VMS 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 SPECIFICATIONS

ANPR CAMERA SENSORS

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



PRODUCT

JOURNEY TIME SOLUTION (JTS)

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, 940nm 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-A 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