1. INTRODUCTION

MoTeC has been developing world leading engine management and data acquisition systems for the motorsport industry for over 20 years and has now produced a professional quality video recording and data overlay system.

2. VCS SOLUTION

MoTeC's VCS Video Capture System is an integrated in-car camera system, designed and built for race cars and harsh environments. The VCS records video and audio using the MPEG-2 video compression format at broadcast quality. It includes a built in real time graphics processor that allows sensor data to be overlaid onto the video in real-time without the need for additional hardware. The CAN interface enables communication with other devices, for example to set Auto Start/Stop recording conditions.

MoTeC VCS Kit

MoTeC VCS Screen Capture

3. MoTeC VCS FEATURE SPECIFICATION SUMMARY

The VCS video system has the following features:

- Solid state digital recorder
- Different gauge sets can be recorded live on the video
- CAN interface for easy connection to most Data Loggers and ECUs
- Programmable Auto Start/Stop Recording - no driver interaction
- Fast USB 2.0 download, no Data Card to remove
- Uses 12 V vehicle power - no recharging
- Video player software with fast playback
- Compact and lightweight
- Reliable
- Record up to 720 x 576 resolution at 25 frames/second with single audio channel recording
- On Screen Information is produced in real time, no post processing required
- All data is passed from the Data Logger or ECU to the VCS via CAN, so no additional sensors are necessary

4. ACCESSORIES AND EXTRAS

Camera and Microphone

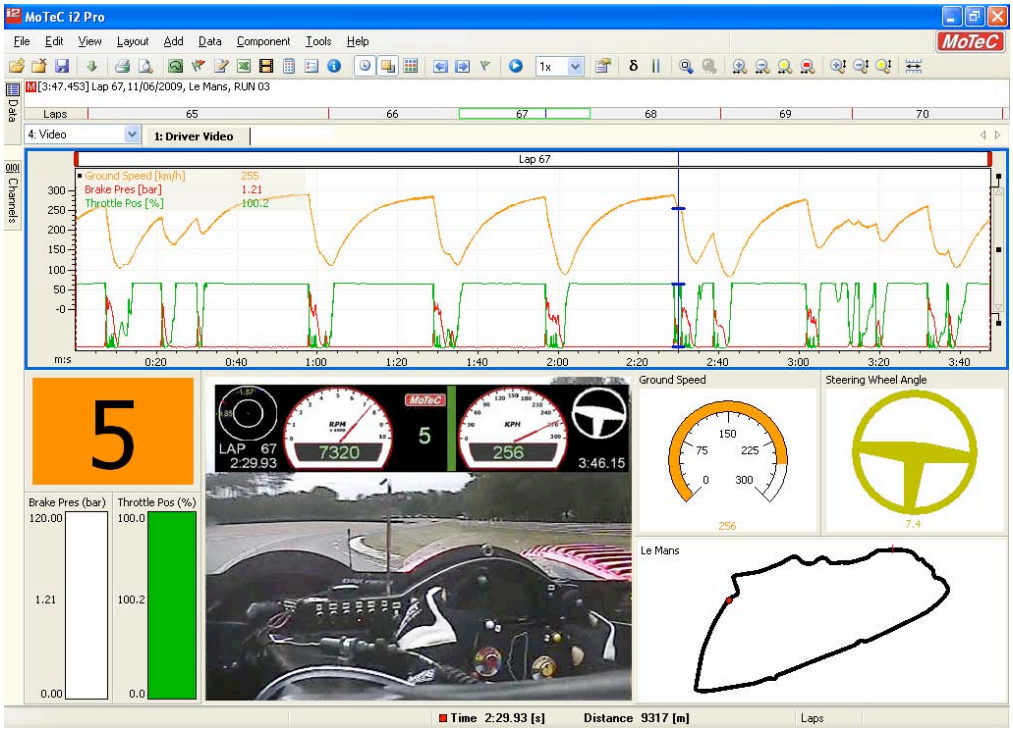
The VCS is capable of recording the inputs from two cameras to provide a Picture-in-Picture display. The second picture can be placed in any corner of the screen. If required, the camera, microphone, lens cover and wiring loom are available as individual replacement items.

VSM Video Sync Module

The VSM Video Sync Module, teamed with a MoTeC Dash Logger and the Pro Analysis upgrade, allows automatic synchronisation of video and logged data in the **i2 Pro** data analysis software. The module connects between the microphone and VCS, and also to an output from the Dash Logger.

MoTeC i2 PRO

- Videos recorded on the VCS can also be manually synchronised for data/video post processing in **i2 Pro**. See image below.



For more information about the VCS please visit our website at **www.motec.com/vcs**