

V2 Video Manager Quick Start Guide

About this Guide

This guide provides basic instructions on configuring a V2 Camera unit using V2 Video Manager software.

Contents

About this Guide	1
System Requirements	2
Hardware	2
Software	2
Computer	2
Other Requirements	2
Overview	2
Getting Started	2
Presets	3
Interior	
Exterior	3
Recording	3
Auto Start	
Loop	
Car Number	4
SD Card Capacity	
On Screen Display	4
Video Settings	4
Audio	4
Auto Exposure	4
Sending the Configuration	4
Before Using the V2 Video Kit	6
Warning	

System Requirements

V2 Video Manager requires the following hardware and software.

Hardware

• V2 Camera Unit

Software

• V2 Video Manager v1.0 or later

Computer

- Operating system: Microsoft Windows 7 or above
- Screen resolution: 1366 x 768 or greater
- Micro SD or SD card reader (the V2 Video Kit is supplied with a Micro SD to SD card adaptor)

Other Requirements

Administrator privileges are required for installation

Overview

V2 Video Manager software is designed for configuration of the V2 camera. It allows modification of the video resolution and settings, audio settings and the optional on screen display (gauges).

NOTE: Please read the section at the end of this document Before Using the V2 Video Kit prior to operation.

Getting Started

• Open V2 Video Manager and click on New.





V2 Video Manager provides video, audio, CAN and On Screen Display settings for configuring the V2 camera.

Note: The default setup screen uses a chequered block to represent the scale and position of the gauge set should it be selected (as shown above).

Presets

Interior

Exposure settings are pre-configured for cameras mounted inside the vehicle behind the driver which show the steering wheel/drivers hands and action out the front of the vehicle.

Exterior

Exposure settings are pre-configured for cameras mounted close to the windscreen which show only the action out the front of the vehicle.

Recording

Auto Start

When auto start is selected, the V2 will start recording as soon as it is powered up. If left unselected, the V2 will use the conditions specified to start and stop recording. CAN must be enabled if auto start is not selected.

Loop

When the loop function is checked, the V2 will overwrite the oldest video with new footage if the SD card becomes full. This ensures you will always have the latest footage.

Car Number

Set the car number that is used in the video file name.

SD Card Capacity

This calculates the estimated available recording time that is displayed at the bottom of the Manager.

On Screen Display

Select the type and position of the on screen gauges. The position can also be switched using the 6 buttons on the setup screen.

Video Settings

The resolution, colour gains, brightness, contrast, saturation and bit rate are configured here.

Audio

The audio gain can be adjusted, however, the default auto gain setting of 255 should be left unchanged unless special circumstances require it.

Auto Exposure

Set the target AE value and the available range for exposure adjustment. The AE mode can also be modified to change how the V2 weights its AE calculations.

For AE modes that have Average ROI (Regions of Interest) you can drag and resize the target window to suit where the camera is pointed and how you want your video exposed.

- Average ROI Averages the light information coming from a frame portion in the user defined window.
- Average ROI, Full Frame Averages the light information coming from the entire frame with emphasis placed on the user defined window.
- Average Full Frame Averages the light information coming from the entire frame without any location based weighting.
- Average ROI, 5 Segments Divides the frame into six pieces and weights them to avoid backlight washout.

Sending the Configuration

The V2 is configured via the Micro SD card that is also used for storing the recorded video.

- Insert the Micro SD card into the laptop, either directly or via the supplied Micro SD to SD card adaptor.
- Click the "Sync" button in V2 Video Manager.



You will be prompted to save the configuration.

Click Yes



• Save the project.



V2 Video Manager will detect available SD cards.

• If more than one is present, select the correct one from the drop down menu and click Next.

V2 Video unit Sync		×
Select V2 Video SD-Card Select drive letter that belongs to the V	2 Video SD-Card.	-
Please remove the SD-Card from the V2 Video of	unit and insert it into your computer.	
Select the V2 Video SD-Card drive	UNTITLED (F:)	~
	< Back Next >	Cancel

• Select any additional options that apply.

Note: The V2 will not record video to a card marked as 'master'. This is only used when updating the firmware of multiple units.

V2 Video unit Sync	×	
Update V2 Video SD-Card Save the updated configuration to the V2 Video SD-Card.		
Select additional options you want to apply to the V2 Video unit.		
Update Firmware		
Mark this SD-Card as a 'master' for multiple use		
Eject the SD-Card on completion (Safe Removal)		
Click 'Next' to begin the update.		
< <u>B</u> ack <u>N</u> ext >	Cancel	

The Micro SD card can now be inserted into the V2 unit to update it.

• Once the card is inserted, power the unit on.

The unit will boot up and then apply the update.

The LED will flash green quickly while the update is being completed. The unit will then reboot and become ready to record.

Before Using the V2 Video Kit

The supplied ferrite core must be fitted to the V2 loom as per the instructions in the V2 Video Kit datasheet.

Warning

This is a class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

This device is granted for use in mobile only configurations in which the antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and not be co-located with any other transmitters except in accordance with FCC and Industry Canada multi transmitter product procedures.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.