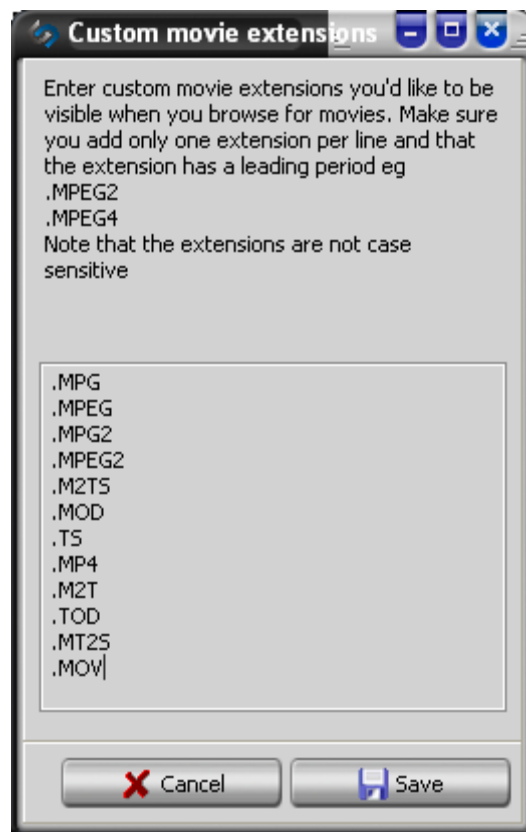


Siliconcoach and the Casio Exilim F1

Casio have recently released a stunning new Prosumer Convergence camera that provides the option for high speed video capture http://www.exilim.com/intl/ex_f1/ at 300, 600 and 1200 fps. Not only is this a great option for capturing high speed footage it's also very reasonably priced at around \$1300 to \$1600 NZD.

Siliconcoach has made some changes to siliconcoach PRO 7 so that you can work with the 300, 600 and 1200 fps footage. The rest of this document will now detail what you need to do to work with this footage.

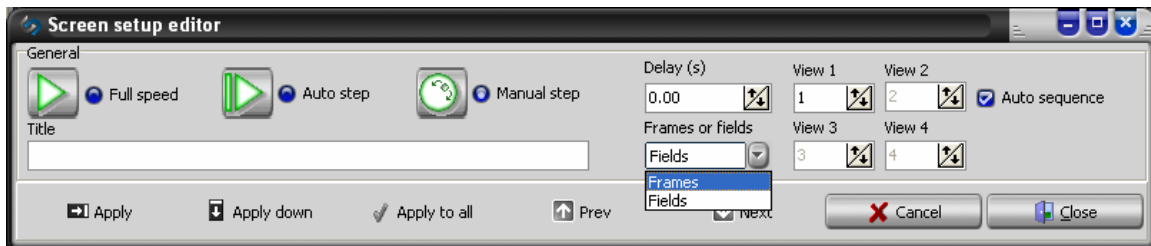
1. If you're using siliconcoach then upgrade to siliconcoach PRO 7 for \$256 NZD. If you're already using siliconcoach PRO then update to 7.0.0.17 or later. You can do this by clicking on **START – ALL PROGRAMS – SILICONCOACH LTD – SILICONCOACH 7 – CHECK FOR UPDATES**
2. Capture a 300 fps video on your Exilim F1 and copy to your PC.
3. Run siliconcoach
4. Click on **SETTINGS – CUSTOM MOVIE EXTENSIONS**
5. Add .MOV to the list and click **SAVE**. The Exilim video file is a Quicktime movie wrapper around an H.264 HD video.



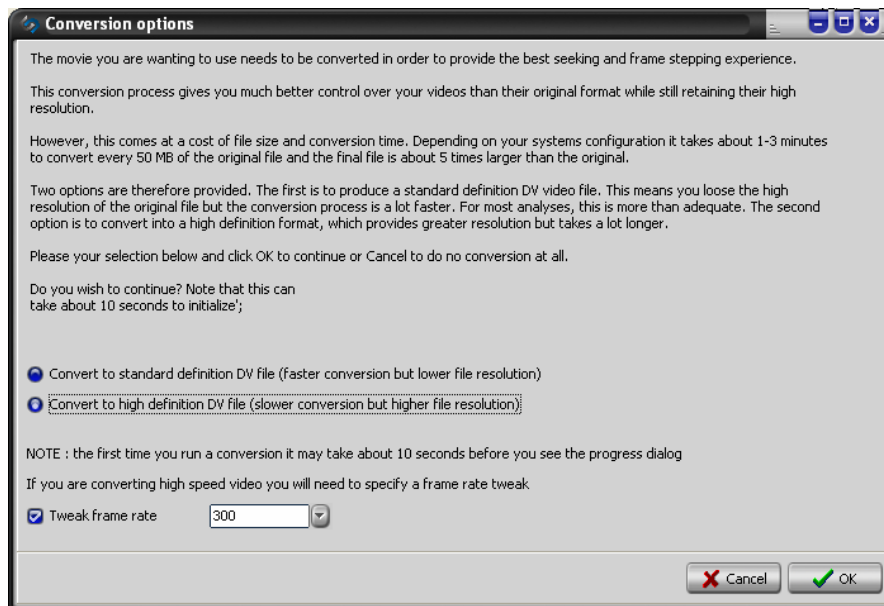
6. Click on templates and double click on **SHORT - 1**
7. Double click on the **SINGLE MANUAL** screen setup



8. Select FRAMES from the FRAMES OR FIELDS drop down (we will be looking to remove the need for this step). Then click APPLY and CLOSE. The reason you need to do this is that the 300 FPS footage is not interlaced and needs to be treated as progressive frames by the application.



9. Click on MOVIES
10. Navigate to the location of your Exilim file and double click on it.
11. You'll be presented with the conversion dialog. Decide whether you want to convert to Standard Definition or High Definition
12. Click on the TWEAK FRAME RATE check box and select the frame rate from the drop down box that matches the frame rate you used when recording the video on the camera.
13. Click OK



14. The converter will convert the movie and populate the template.

15. Due to the resolution in time being a lot finer, you'll also need to change the number of decimal places reported for the stop watch and speed measurements. To do this:
16. Click on **SETTINGS – DEFINE DECIMAL PLACES**. All calculation data are held in a 4 byte single variables that have 7-8 significant digits.

