

# Hardware List for Siliconcoach Products

Pro7, Student7, Digitiser 6, Timewarp 4, Dialed in Motion Running,  
 Dialed in Motion Cycling.

## OPTIMAL COMPUTER SPECIFICATIONS

- Internet connection
- Windows® 7 32 and 64 bit
- CD read/write.
- Sound card.
- At least 2.8 GHz Core 2 Duo or similar with at least 4 GB RAM.
- Separate graphics card with 512 or more MB video RAM.
- 320 GB or more free hard disk space for video storage.
- 1280 x 1024 or larger monitor.
- *Pro 7 only*: If you want a dual camera setup you will need 2 Firewire cards and 2 MiniDV cameras. There is no dual USB Converter option.

## CAMERA AND CONNECTION METHOD

Depending on your needs there are 2 ways to capture video into your computer. One is to capture files onto the camera's hard drive and then download them to the computer at a later time. Once in the computer they can be imported into the software and analysed as normal (Pro 7 only). Even many HD formats can be imported with the HD resolution retained.

The other way to get video footage into the software is via a 'live' feed where whatever the camera is looking at is also shown in the software and this is explained in detail below.

## Live Feed Options



A comparison of Firewire and USB setups.

(NOTE: The box between the camera and the computer is the USB converter)

## Firewire Option (All software)

### Camera

- Mini DV video camera (these are not being manufactured anymore but many people currently have them).

### Connection Method

- *Single Capture*: A Firewire (IEEE 1394) port in the computer either as a plug-in card or built in.
- *Dual Capture*: You will need 2 Firewire cards for dual capture. If you are using a laptop you will need one Firewire port built into the laptop plus an external card for the second camera.
- You will also need Firewire cables, 4.5 m (15') are best.

## Video to USB Converter Option (NOT Digitiser)

### Cameras

With the demise of MiniDV camcorders around the world in early 2010 we have had to increase the number of ways users can get video feeds into Pro 7, Student 7, Timewarp 4, Dialed in Motion Running and Dialed in Motion Cycling.

Now you can also use Video to USB converters which means you can connect to any camera or device that has an A/V output and connect it to the computer through a standard USB 2 port.

- Standard Definition Sony, Cannon, Panasonic camcorders.
- High Definition Sony, Cannon, Panasonic camcorders (the video will be recorded as Standard Definition).
- In fact most camcorder makes will work, just check they have an A/V output plug.
- All MiniDV cameras (these cameras have A/V out as well as Firewire so can be used either way).

### Connection Method

This new USB method dramatically increases the number of cameras and devices you can use. You can use any camera or device with an A/V output but you need to add a USB converter into the system.



This image show what the A/V Out connections look like in a Panasonic and a Sony camcorder.

The plugs are in different places in each model so you are looking for the A/V plug.



This is the type of A/V cable you will use for the Panasonic.

The yellow-red-white end of the cable is consistent but different manufactures use different single plugs at the other end. Fortunately the cable comes with the camera so all you need to get is the USB converter (see below)

**NOTE:** Using this technology you can also connect to home DVD players and recorders.

### So which Video to USB Converter should get?

There are a lot of video converters available on the market and they are all slightly different so Siliconcoach has tested many and recommends only one which is the **Hauppauge USB Live2**. [http://www.hauppauge.com/site/products/data\\_usblive2.html](http://www.hauppauge.com/site/products/data_usblive2.html)

This device is available in most major countries in the world including the USA/Canada, New Zealand, Australia, UK and Europe. Just search for **Hauppauge USB Live2 and your country** in a web search engine to find your closest outlet.