

# SVI Pro 2009 System Requirements

## Recommendations for Windows Mobile Workstations



SVI Pro makes intensive use of the graphics and system hardware it is run on. When considering mobile processing solutions, a “Desktop or Workstation Replacement” type machine should be chosen over lighter alternatives.

### Recommended & Minimum Requirements for GPU Hardware

With the right GPU configuration choices SVI Pro 2009 users can get the best from the software in terms of Performance, Interactivity and Visualisation Quality.

The following GPU configurations are **strongly recommended** to get the best out of SVI Pro 2009.

Mobile Workstation:

Primary GPU: Quadro FX 3700M<sup>b</sup>.



(Known mobile workstation configurations supporting this hardware are: Dell Precision M6400 Covet, HP EliteBook 8730w)

Devices marked **b** have been certified with driver version 176.53.

The following is a table of the current NVIDIA Quadro GPUs and their SVI Pro compatibility. The rows highlighted indicate GPUs that meet minimum requirements.

GPU	General Visualisation	Advanced Rendering	GPU Accelerated Processing*	Certified (Driver Version)
<b>Quadro FX 3700M</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>175.53</b>
<b>Quadro FX 3600M</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	
Quadro FX 3500M	not recommended	No	No	
<b>Quadro FX 2700M</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	
<b>Quadro FX 1700M</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	
Quadro FX 1600M	not tested	not tested	Yes	
Quadro FX 1500M	not recommended	No	No	
Quadro FX 770M	not tested	not tested	Yes	
Quadro FX 570M	not recommended	No	Yes	
Quadro FX 560M	not recommended	No	No	
Quadro FX 370M	not recommended	No	No	
Quadro FX 360M	not recommended	No	Yes	
Quadro FX 350M	not recommended	No	No	

\*Note, although some GPUs are compatible with SVI Pro GPU Accelerated Processing, they may not deliver a performance improvement. Please contact ffa Support ([support@ffa.co.uk](mailto:support@ffa.co.uk)) for more information on GPU computing performance of these boards.

### Additional Notes

#### **32-bit or 64-bit?**

SVI Pro 2009 is available in both 32-bit and 64-bit versions.

- SVI Pro 32-bit will run on both 32 & 64 bit systems with either Windows XP  Service Pack 3 or Windows XP x64 Edition  Service Pack 2.
- SVI Pro 64-bit will run on Windows XP x64 Edition  Service Pack 2 Only.

Using Windows XP x64 will maximise the processing performance of SVI Pro (64-bit) and allow access to the full potential of the notebook.

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### ***Project Storage***

The amount of disk space a SVI Pro project requires increases in direct relation to the size of the source data volume loaded.

*For example:*

*If the source data is 10GB then SVI Pro will need 10GB + 15GB for its cache file. This means a total of 25GB in space (internal or external) is needed to load and visualise the source volume.*

*If any processing is to be carried out on the volume, the same amount of space is needed again for the resulting volume. After a number of processing operations the number of volumes in an SVI Pro can grow rapidly.*

*Once the project contains 10 volumes, 250GB will be required; this means a single 1TB disk is capable of holding an SVI Pro project containing around 40 10GB volumes.*

### ***Temporary Disk Space***

SVI Pro also requires a certain amount of temporary disk space to use during volume processing. The 'temp' directory, specified on setup is the target for all temporary files and significant amount of space is required.

The amount of temporary space required is also dependent on the size of the source volume and the processes being used within SVI Pro. We recommend that a large amount of disk space is reserved for temporary files. In the example situation given above, for a 10GB source volume we recommend having 200GB available. However, a minimum of 50GB would enable the majority of processes to be applied.

### ***Disk Fragmentation***

We would always recommend that the computer running SVI Pro is regularly defragmented to increase the performance.

### **Base Specification Recommendations**

<b>CPU</b>	<p>Fast Intel Core 2 Duo or AMD Mobile Athlon 32-bit or Intel Centrino (Duo), AMD Mobile Turion 64-bit, processors are recommended.</p> <p>The processing engine behind SVI Pro is multithreaded and step performance increases will be seen if a multiprocessor/core system is chosen.</p>
<b>Memory</b>	<p><b>Minimum:</b> 4GB <b>Recommended:</b> 12GB</p>
<b>Internal hard disks</b>	<p><b>Capacity:</b> We recommend systems have a minimum of 250GB internal disk space.</p>
<b>External storage</b>	<p>We highly recommend using either eSATA enabled drives or drives with fast SCSI connection.</p> <p>Drives with USB2.0 and FireWire interfaces can be used but with lesser performance.</p> <p>Note: use of USB 1.1 devices is not recommended.</p>

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