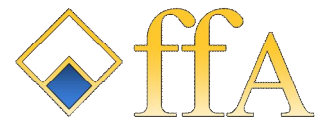


SVI Pro 2010 System Requirements

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Recommended & Minimum Requirements for GPU Hardware

With the right GPU configuration choices SVI Pro 2010 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 2010.

Desktop Workstation:

Primary GPU: Quadro FX 4800^a (1.5GB) or FX 5800 (4GB).
 Secondary GPU: Tesla C1060



In smaller workstation chassis that only accommodate a single card, we recommend upgrade of the primary GPU as above.

Devices marked **a** have been certified with driver version 182.65.

*(Many modern workstations support these dual card configurations, examples are: HP xw8400, HP xw8600, HP xw9400, HP Z800; Dell Precision 690 (*1KW Chassis only), T7400, T7500; Bull R423, R425; Workstation Specialists WSX218. When considering workstation upgrades, existence of 2x PCI-E x16 slots, space for 2x double width cards, sufficient power rating and sufficient power connectors should be verified.)*

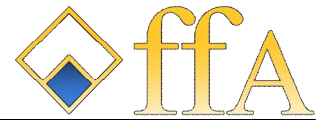
The following is a table of the current NVIDIA Quadro cards and their SVI Pro compatibility. The rows highlighted indicate GPUs that meet minimum requirements.

GPU	General Visualisation	Advanced Rendering	GPU Accelerated Processing*	Certified (Driver Version)
Tesla C1060	-	-	Yes	
Quadro FX 5800	Yes	Yes	Yes	191.78
Quadro FX 4800	Yes	Yes	Yes	191.78
Quadro FX 5600	Yes	Yes	Yes	191.78
Quadro FX 4700 x2	Yes	Yes	Yes	
Quadro FX 4600	Yes	Yes	Yes	191.78
Quadro FX 5500	Yes	Yes	No	
Quadro FX 4500 x2	Yes	Yes	No	
Quadro FX 4500	Yes	Yes	No	
Quadro FX 4400	not recommended	No	No	
Quadro FX 3800	Yes	Yes	Yes	191.78
Quadro FX 3700	Yes	Yes	Yes	191.78
Quadro FX 3500	not recommended	No	No	
Quadro FX 3400	not recommended	No	No	
Quadro FX 2700	not recommended	No	No	
Quadro FX 1800	Yes	Yes	Yes	191.78
Quadro FX 1700	not recommended	No	No	
Quadro FX 1500	not recommended	No	No	
Quadro FX 1400	not recommended	No	No	
Quadro FX 1300	not recommended	No	No	
Quadro FX 580	not recommended	No	No	
Quadro FX 570	not recommended	No	No	
Quadro FX 560	not recommended	No	No	
Quadro FX 550	not recommended	No	No	
Quadro FX 540	not recommended	No	No	
Quadro FX 380	not recommended	No	No	
Quadro FX 370 LP	not recommended	No	No	
Quadro FX 370	not recommended	No	No	
Quadro FX 350	not recommended	No	No	
Quadro FX 330	not recommended	No	No	

*Please contact ffa Support (support@ffa.co.uk) for more information on GPU computing performance of these boards.

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Additional Notes

32-bit or 64-bit?

SVI Pro 2008 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 above), Windows XP x64 Edition Service Pack 2.
- SVI Pro 64-bit will run on Windows XP x64 Edition Service Pack.

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

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

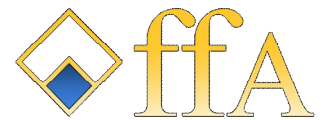
We would always recommend that the computer running SVI Pro is regularly defragmented to increase the performance.

Base Specification Recommendations

CPU	<p>Fast Intel Xeon or AMD Opteron 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> <p>The following configurations are all compatible:</p> <ul style="list-style-type: none">• A dual/quad core processor• A dual/quad processor system• A dual/quad processor system with dual/quad core processors (4/16 effective cpu's) <p>However, a single quad core processor system is often a good choice in terms of a trade off between system performance and costs.</p>
Memory	<p>Minimum: 4GB for 32-bit and 8GB for 64-bit versions.</p> <p>Recommended: 4GB for 32-bit and 32GB for 64-bit versions.</p>

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Internal hard disks	<p>Interface type: SATA, SCSI (<i>Ultra-3, Ultra-320, and Ultra-640</i>).</p> <p>Capacity: We recommend systems with 1.5TB of internal hard disk space. An example configuration would be:</p> <ol style="list-style-type: none">1. Primary drive of 500GB for OS, software and windows page file.2. Additional high capacity (1TB+) drives for SVI Pro projects and temporary files. <p>However, the more internal hard disk space the better. (Multiple drives are usually spanned to create a single visible drive)</p>
External storage	<p><i>We highly recommend using either eSATA enabled drives or drives with fast SCSI connection.</i></p> <p><i>Drives with USB2.0 and FireWire interfaces can be used but with lesser performance.</i></p> <p><i>Note: use of USB 1.1 devices is not recommended.</i></p>