Every minute counts in video post production – nobody gets paid to watch progress bars turn blue. When you get paid by the project, anything that helps you get results faster helps you get paid sooner.

Rendering a compelling, asset-rich, multi-layered After Effects® project requires tremendous processing power. Rendering even a short project not only takes valuable time, it can tie up critical CPU resources, leaving your computer unusable for other tasks during the process. Because After Effects rendering is so time and CPU-intensive, professional videographers often relegate this task to non-work hours, choosing to leave their computer exporting overnight. This is not only inconvenient, but introduces the risk of project failure while left unattended.

Whether your tool of choice is Adobe® Premiere® Pro or After Effects, Elemental™ Accelerator offers unparalleled video processing power. Elemental's GPU-enabled video encoding uses your existing NVIDIA® graphics card to speed up exports from either application, on both Mac and PC platforms. Although Elemental Accelerator is designed as a plug-in for Adobe Premiere Pro CS4, the available interface between After Effects, Premiere Pro and the Adobe Media Encoder allows access to Elemental Accelerator to render After Effects projects.

ELEMENTAL ACCELERATOR™ FOR NVIDIA® QUADRO®

WINDOWS XP/VISTA

AFTER EFFECTS, ONLY FASTER

ABOUT ELEMENTAL

Elemental Technologies is the leading provider of massively parallel video processing solutions for enterprise video customers. Elemental's products use off the shelf, programmable graphics processing units (GPUs) for compute-intensive video processing and conversion tasks. The product line is ideal for accelerating diverse video workflows, including Internet and mobile video transcoding. Elemental's innovative compression solutions empower a range of customers, including major broadcasters and content delivery networks, with unprecedented price/performance. Founded in 2006, Elemental is headquartered in Portland, Oregon.
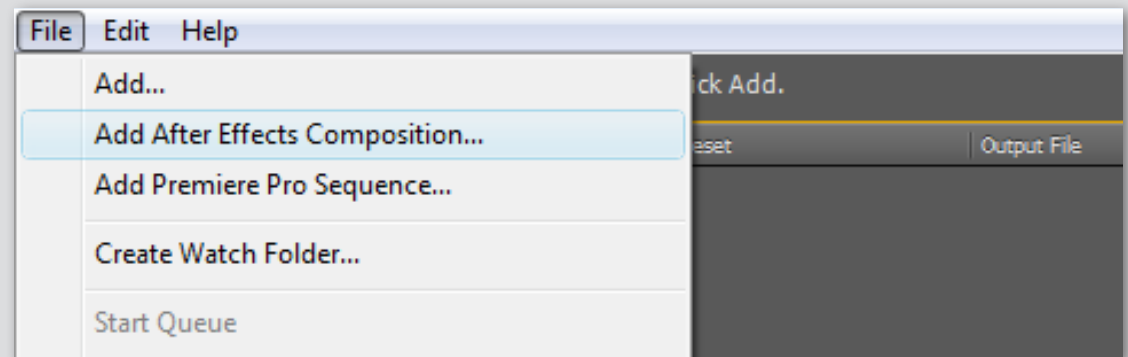
STEP ONE

Install necessary program applications

- Be sure you have the Adobe Media Encoder installed and available with your version of Adobe Creative Suite® 4.

- Install Elemental Accelerator. Then, use Elemental Accelerator to render your After Effects project following these steps.
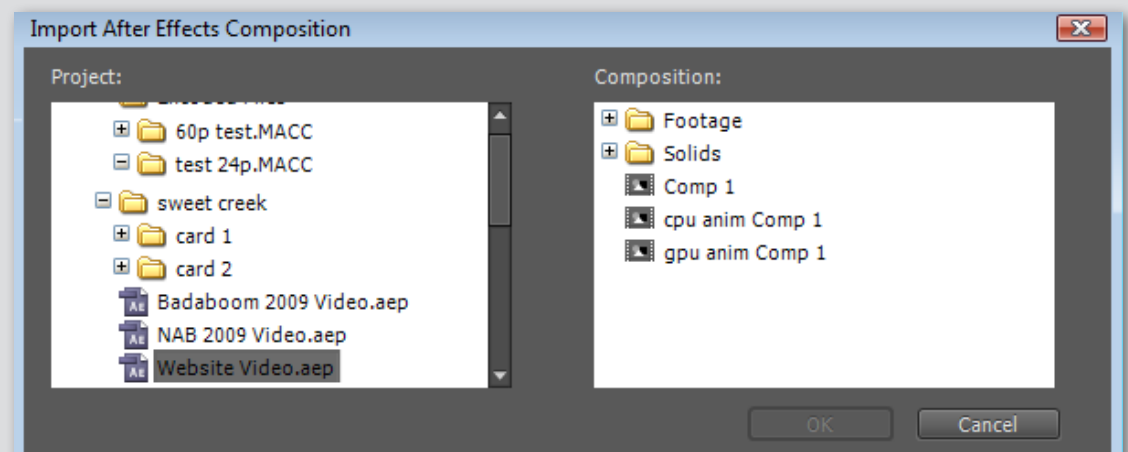
STEP TWO

Load file into the Adobe Media Encoder

- Launch the Adobe CS4 Media Encoder.

- From the File menu, select "Add After Effects Composition…"

File   Edit   Help

Add…
Add After Effects Composition…
Add Premiere Pro Sequence…

Create Watch Folder…

Start Queue

ick Add.

Output File

STEP THREE

Select an After Effects composition for rendering

- In the "Import After Effects Composition" window, browse to the desired After Effects project.

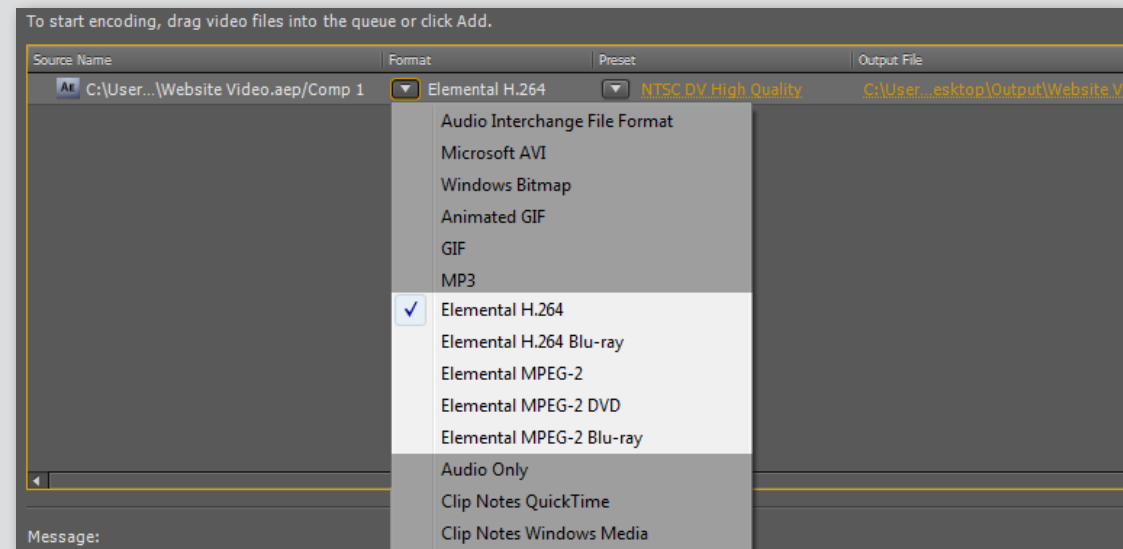- Select the desired composition(s) to render.

- Press OK.

Import After Effects Composition

Project:
- 60p test.MACC
- test 24p.MACC
- sweet creek
  - card 1
  - card 2
- Badaboom 2009 Video.aep
- NAB 2009 Video.aep
- Website Video.aep

Composition:
- Footage
- Solids
- Comp 1
- cpu anim Comp 1
- gpu anim Comp 1

OK   Cancel

STEP FOUR

Choose your encoding format

- The After Effects composition is now available for encoding via the Adobe Media Encoder interface.

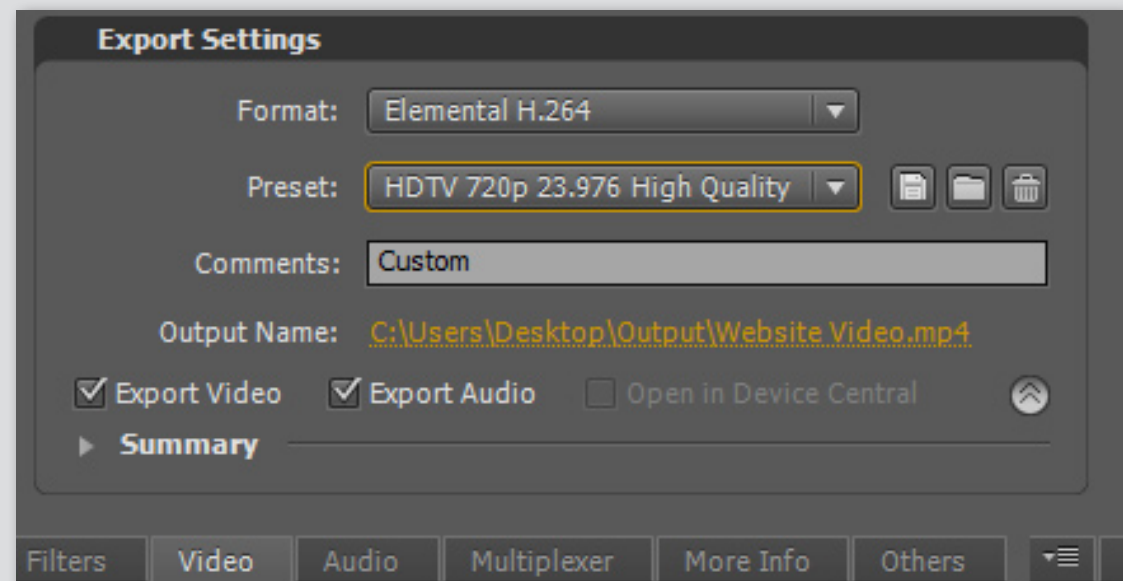- From the Format menu, select the desired Elemental Accelerator exporter:

  Elemental H.264
  Elemental H.264 Blu-ray
  Elemental MPEG-2
  Elemental MPEG-2 DVD
  Elemental MPEG-2 Blu-ray

STEP FIVE

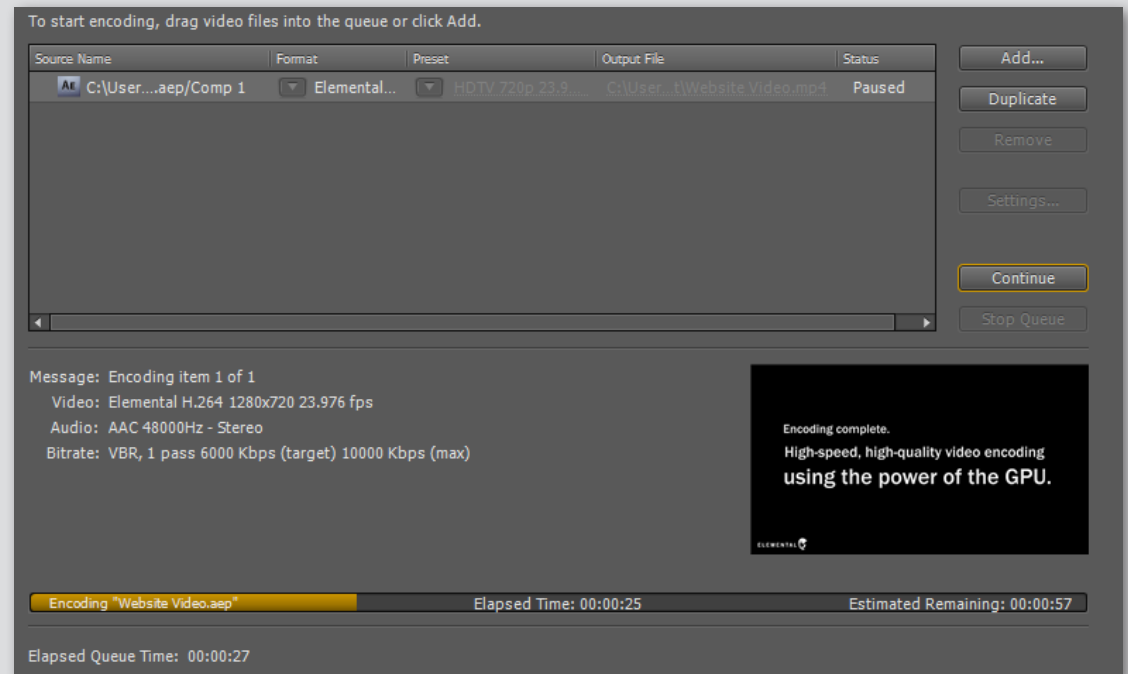*Export the video file for encoding*

- From the Preset menu, select the desired export settings.

- This will invoke the "Export Settings" dialog box where you can select any available preset or customize your own settings.

STEP SIX

Start faster encoding of After Effects files

- Once you have configured your desired settings, press OK.

- From the Adobe Media Encoder, select Start Queue to begin encoding.

To start encoding, drag video files into the queue or click Add.

Source Name	Format	Preset	Output File	Status
C:\User....aep/Comp 1	Elemental...	HDTV 720p 23.9....	C:\User...t\Website Video.mp4	Paused

Add...
Duplicate
Remove
Settings...
Continue
Stop Queue

Message: Encoding item 1 of 1
  Video: Elemental H.264 1280x720 23.976 fps
  Audio: AAC 48000Hz - Stereo
  Bitrate: VBR, 1 pass 6000 Kbps (target) 10000 Kbps (max)

Encoding complete.
High-speed, high-quality video encoding
using the power of the GPU.

ELEMENTAL

Encoding "Website Video.aep"   Elapsed Time: 00:00:25   Estimated Remaining: 00:00:57

Elapsed Queue Time: 00:00:27

TIPS FOR FASTER ENCODING

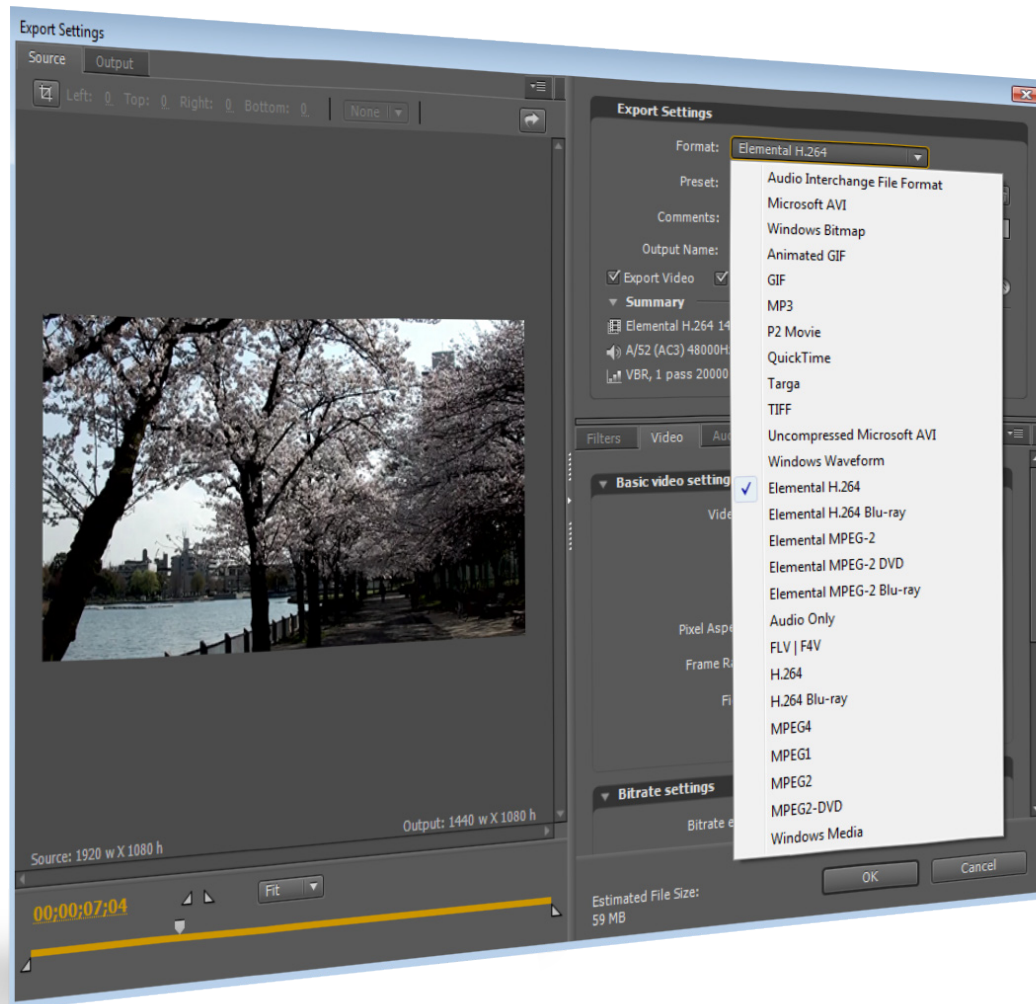*See next page for comparative performance results*

>

IN SUMMARY

Get faster encoding results with Elemental Accelerator

Encode to H.264 720p*	Time (in seconds)
Elemental Accelerator	163
Standard Media Encoder	316

* Quad-core CPU 2.3 GHz, NVIDIA Quadro FX 3800

Elemental™ Accelerator encodes an asset-rich sample project much faster than the standard media encoder - it takes the standard media encoder almost twice as long to encode the same footage.

With Elemental Accelerator, you can cut your After Effects encode time in half by harnessing the massively parallel compute power of the graphics processor.

Add Elemental Accelerator to your Adobe workflow and watch painful encode times shrink, freeing up valuable time and computing resources.

Install an additional NVIDIA Quadro FX graphics card and take advantage of Elemental Accelerator's multi-GPU support for even faster encode times.

You can download a free trial and buy Elemental Accelerator as a standalone package directly from NVIDIA's online store at: www.nvidia.com/adobeplugins.

You can also buy Elemental Accelerator bundled with compatible NVIDIA Quadro FX graphics cards from a variety of online retailers.

Learn more at www.elementaltechnologies.com.