



CREATE INTUITIVELY.
PERFORM FASTER.
NVIDIA GPUs POWER ADOBE® CREATIVE CLOUD®.

ADOBE CC
SOLUTION OVERVIEW

Get blazing-fast performance and smooth interactivity in your most challenging professional video and design projects.

Nothing accelerates Adobe Creative Cloud tools and the Adobe Anywhere solution like NVIDIA® Quadro® and Tesla® GPUs.

Together, NVIDIA and Adobe deliver unprecedented performance and acceleration to help creative professionals build a streamlined workflow and

meet the demand of 4K and beyond. It's a powerful partnership that ensures that creative artists, web designers, professional photographers, and video editors always get the best features and performance—when and where they're needed.



ADOBE® PREMIERE® PRO CC

DO YOUR BEST WORK FASTER WITH REAL-TIME VIDEO EDITING.

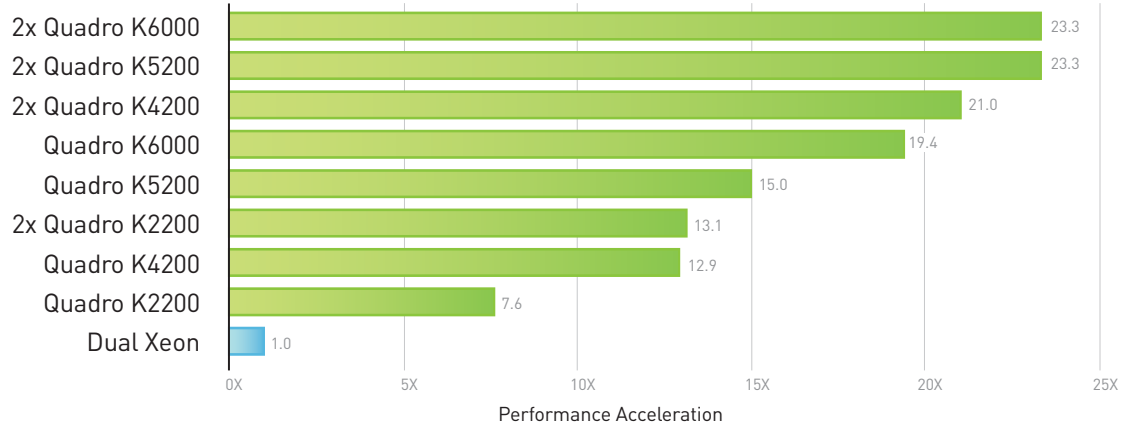
At the heart of Adobe Premiere Pro CC is the GPU-accelerated Adobe Mercury Playback Engine, co-developed by Adobe and NVIDIA. It leverages NVIDIA GPUs and NVIDIA CUDA® to deliver interactive, real-time editing and up to 23x¹ faster performance.

The new high-speed GPU debayerer accelerates 4K RED camera files, eliminating the need for a RED

ROCKET card. Other new GPU-enhanced features include faster Feathered Masking and the ability to apply Mercury Playback features universally with Master Clips Effects. And if you're a Mac user, a simple upgrade to the NVIDIA CUDA driver can often result in up to 30% faster Premiere Pro CC performance!¹

ADOBE PREMIERE PRO CC WITH NVIDIA GPUs

Adobe Mercury Playback Engine



System Configuration: Adobe Premiere Pro CC, Windows 7 – 64-bit, Dual Intel Xeon E5 2687W 3.10GHz CPUs [16 total cores]. Test consists of HD video workflow with complex Mercury Playback Engine effects at 720p resolution. Results based on final output render time comparing noted GPU vs. CPU.



ADOBE SPEEDGRADE® CC

ENHANCE EVERY PRODUCTION WITH REAL-TIME PROFESSIONAL COLOR GRADING.

Take Adobe SpeedGrade CC performance to a new level with NVIDIA Quadro GPUs for real-time professional color grading in the Lumetri Deep Color Engine. Quadro GPUs deliver real-time color grading for RAW, High Dynamic Range (HDR), or Stereoscopic 3D content so you can color correct multiple layers and design your looks more efficiently and creatively.

The GPU-accelerated Look Manager in SpeedGrade CC lets you easily organize and access grading presets. Integration within Premiere Pro CC enables pre-defined Looks to be applied directly within the video-editing workflow.



ADOBE AFTER EFFECTS® CC

3D RAY TRACED RENDERING ACCELERATES YOUR 3D WORKFLOW.

Simplify and accelerate the motion graphics workflow with an amazing 3D ray-traced rendering engine based on NVIDIA OptiX™ technology. You can now quickly design realistic geometric text and shapes in 3D space, eliminating the traditional time-consuming back and forth with external 3D tools.

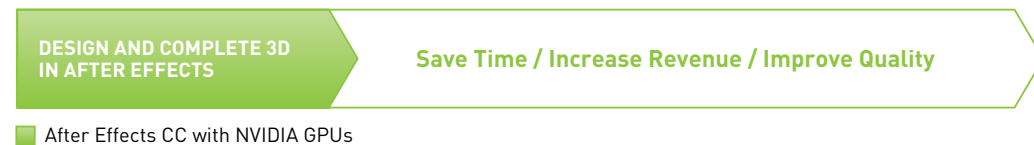
Take advantage of GPU performance to create more physically accurate scenes with beautiful reflections, transparency, soft shadows, and depth-of-field blur.

With NVIDIA GPUs, 3D ray tracing become truly interactive, delivering final frames up to 48x faster than dual high-end CPUs alone.²

Traditional 3D Motion Graphics Workflow



New 3D Motion Graphics Workflow with After Effects CC and NVIDIA GPUs



ADOBE MEDIA ENCODER CC (AME)

BRING GPU-ACCELERATED VIDEO OUTPUT TO VIRTUALLY ANY SCREEN.

NVIDIA GPUs accelerate AME, which is tightly integrated with the Adobe Mercury Playback Engine. With NVIDIA GPUs, you can now create optimized video even faster, add effects directly from within AME, and render multiple projects in the background for an efficient creative workflow.

GPU-accelerated video effects can now be added directly from within AME, allowing editors to quickly create stunning results without a separate Premiere Pro CC editing process. Media output can easily be customized to include effects like Lumetri Looks, watermarks, time code overlays, and image composite to use fast GPU processing.



ADOBE ANYWHERE

DISCOVER THE COLLABORATIVE VIDEO PLATFORM FOR CONNECTED WORKGROUPS.

The Adobe Anywhere collaborative video workflow solution is accelerated by NVIDIA Tesla GPUs, a key element in Adobe-recommended servers. This innovative cloud-centric platform allows video editors, visual effects artists, and other creative professionals to collaborate within Adobe Premiere

Pro CC, Prelude CC, and After Effects CC using centralized media across virtually any network. Adobe and NVIDIA worked closely together to deliver ultra-fast performance and smooth remote accessibility with advanced NVIDIA technologies.

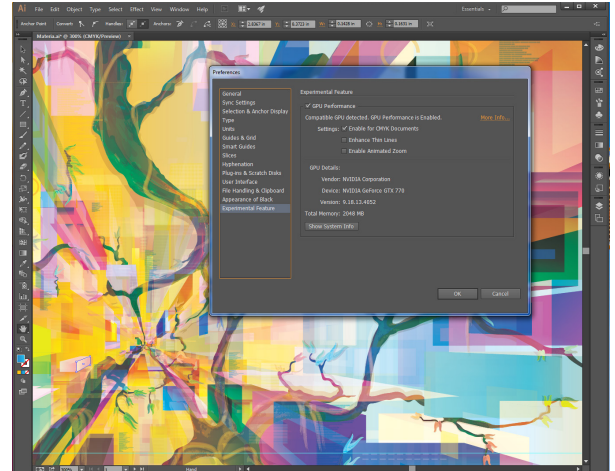


ADOBE ILLUSTRATOR® CC

CREATE ARTISTIC DESIGNS 10X FASTER WITH NVIDIA GPUs.

NVIDIA GPU acceleration of Adobe Illustrator CC gives professional designers a powerful productivity boost by speeding the entire canvas for all features and functions. This new feature enables near real-time interactivity of panning and zooming, regardless of image size, feature mix, or display resolution.

Designers need smooth interactivity with the creative tools they use, but artwork complexity and growing display resolutions make it difficult for the CPU to keep up with the fill rate. The result is choppy response times, which disrupt and stifle creativity. With NVIDIA GPUs, Illustrator CC canvas performance is boosted as much as 10x faster³ than with CPUs alone on Windows-based systems⁴.



ADOBE PHOTOSHOP® CC

GET FAST, FLEXIBLE, FLUID PERFORMANCE NOW READY FOR NVIDIA GRID™.

Adobe Photoshop CC uses the innovative Mercury Graphics Engine for NVIDIA GPUs to create a smooth and intuitive design experience. New GPU-accelerated features include an expanded Blur Gallery with stylish image blurring options like Spin Blurs and Path Blurs; Focus Mask for automatically selecting the in-focus area of a photo; and Upsampling that enables high-quality upscaling of images like those extracted from video frames.

Other key GPU-enhanced features include Smart Sharpen, Liquify, and more than 30 others.

And now, you can run Photoshop CC over the network with NVIDIA GRID. This solution delivers virtualized graphics over the network and allows GPU acceleration to be available to more creative professionals, even in systems with no GPU. You can create more intuitively and faster from almost any device or location.



NVIDIA Quadro, Tesla, and GRID computing solutions provide creative professionals with the fastest GPU acceleration across the broadest range of Adobe offerings, including Adobe Creative Cloud, Adobe Anywhere, and Adobe Creative Suite. Ongoing technical collaboration between Adobe and NVIDIA continue to enable high-impact, innovative technologies that ensure creative artists and video editors get fast, smooth interactivity when and where it's needed.

To learn more, visit www.nvidia.com/adobe

1. Based on Premiere Pro CC running NVIDIA GPU-accelerated Mercury Playback Engine, NVIDIA Quadro K5000 for Mac, GPU-upgradeable MacPro, Intel Xeon W3680. Compares OpenCL-accelerated MPE vs. NVIDIA CUDA-accelerated MPE. | 2. Tests based on named application in Adobe Creative Cloud 2014 comparing NVIDIA GPU vs. Dual Intel Xeon E5 2687W 3.10GHz CPUs. | 3. Based on Adobe Illustrator CC June 2014 release with NVIDIA GPU acceleration in RGB mode, Quadro K5200, Intel Xeon E3-1240. | 4. Currently enabled for RGB documents and optionally for CMYK documents on Windows 7 and Windows 8 based systems.

