

## NVIDIA Unveils New Flagship GPU for Visual Computing

### Quadro K6000 Tackles Most Complex Visual Computing Problems -- From Tapping Vast New Energy Sources to Animating Monster Fur

ANAHEIM, CA -- SIGGRAPH -- NVIDIA today unveiled the visual computing industry's new flagship technology -- the [NVIDIA® Quadro® K6000 GPU](#), the fastest and most capable GPU ever built.

NVIDIA today also launched a new line of professional graphics [GPUs for mobile workstations](#), delivering the highest levels of performance and graphics memory ever available on mobile platforms.

The Quadro K6000 GPU delivers five-times higher compute performance and nearly double the graphics capability of its predecessor, the [NVIDIA Quadro 6000 GPU](#), and features the world's largest and fastest graphics memory.

Combining breakthrough performance and advanced capabilities in a power-efficient design, the Quadro K6000 GPU enables leading organizations such as Pixar, Nissan, Apache Corporation and WSI, Professional Division of The Weather Company and Innovation Engine of The Weather Channel, to tackle visualization and analysis workloads of unprecedented size and scope.

- Animation and Visual Effects - Pixar  
"The Kepler features are key to our next generation of real-time lighting and geometry handling. We were thrilled to get an early look at the K6000. The added memory and other features allow our artists to see much more of the final scene in a real-time, interactive form, and allow many more artistic iterations."  
-Guido Quaroni, Pixar vice president of Software R&D
- Product Styling - Nissan  
"With Quadro K6000's 12 GB of memory, I am now able to load nearly complete vehicle models into RTT Deltagen and have stunning photorealism almost instantly. Instead of spending significant time simplifying the models to fit into previous hardware, we can now spend more time reviewing and iterating designs up front which helps avoid costly changes to tooling."  
-Dennis Malone, associate engineer, Nissan North America
- Energy Exploration - Apache  
"Compared to the Quadro K5000, the Quadro K6000 tripled the performance when running jobs on Terraspark's InsightEarth application. With jobs running in mere minutes, we can run more simulations and get better insight into where to drill. In this business, drilling in the wrong place is a multi-million dollar mistake, and the Quadro K6000 gives us the edge to make better decisions."  
-Klaas Koster, manager, seismic interpretation, Apache Corporation

#### Unprecedented Performance

The Quadro K6000 GPU is based on the [NVIDIA Kepler™ architecture](#) - the world's fastest, most efficient GPU architecture. Key performance features and capabilities include:

- 12GB ultra-fast GDDR5 graphics memory lets designers and animators model and render characters and scenes at unprecedented scale, complexity and richness
- 2,880 streaming multiprocessor (SMX) cores deliver faster visualization and compute horsepower than previous-generation products
- Supports four simultaneous displays and up to 4k resolution with DisplayPort™ 1.2
- Ultra-low latency video I/O and support for large-scale visualizations

"The NVIDIA Quadro K6000 GPU is the highest performance, most capable GPU ever created for the professional graphics market," said Ed Ellett, senior vice president, Professional Solutions Group at NVIDIA. "It will significantly change the game for animators, digital designers and engineers, enabling them to make the impossible possible."

#### New Mobile Workstation GPUs

NVIDIA today also revealed a new flagship professional graphics GPU for workstation notebooks, the NVIDIA Quadro K5100M GPU. Delivering the highest levels of performance and graphics memory available on [notebook platforms](#), the Quadro K5100M anchors a new line of workstation notebook graphics that includes the Quadro K4100M, K3100M, K2100M, K1100M, K610M, and K510M GPUs.

Quadro GPUs are designed, built and tested by NVIDIA to provide the superb reliability, compatibility and dependability that professionals require. They are certified and recommended by more than 150 leading software application providers worldwide.

#### Availability

The NVIDIA Quadro K6000 will be available beginning this fall from Dell, HP, Lenovo and other major workstation providers; from systems integrators, including BOXX Technologies and Supermicro; and from authorized distribution partners, including PNY Technologies in North America and Europe, ELSA and Ryoyo in Japan, and Leadtek in Asia Pacific.

The new Quadro mobile workstation graphics product line will also be available beginning this fall from major mobile workstation OEMs.

For more information about Quadro GPUs, graphics/visualization and market news, see the [NVIDIA Quadro website](#). And follow us on [YouTube](#) and on Twitter [@NVIDIAQuadro](#).

#### About NVIDIA

Since 1993, [NVIDIA](#) ( NASDAQ : NVDA ) has pioneered the art and science of [visual computing](#). The company's technologies are transforming a world of displays into a world of interactive discovery — for everyone from gamers to scientists, and consumers to enterprise customers. More information at <http://nvidianews.nvidia.com/> and <http://blogs.nvidia.com/>.

---

© 2014 NVIDIA Corporation. All rights reserved. NVIDIA and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Other company and product names may be trademarks of the respective companies with which they are associated. Features, pricing, availability, and specifications are subject to change without notice.

#### Media Contacts

George Millington  
+1 408 562 7226  
[gmillington@nvidia.com](mailto:gmillington@nvidia.com)