NVIDIA QUADRO AND CATIA
THE PROVEN COMBINATION FOR EXCEPTIONAL DESIGNS

NVIDIA Quadro is certified by Dassault Systèmes for exceptional performance.

Engineers and designers in industries ranging from automotive and aerospace to consumer packaged goods can fully leverage the power of Dassault Systèmes 3DEXPERIENCE platform with the latest NVIDIA professional graphics solutions. Collaboration with Dassault Systèmes and the leading workstation manufacturers ensures optimized performance for CATIA users and the ability to take advantage of advanced features such as CATIA Live Rendering with multi-GPU-accelerated ray tracing.

Accelerate CATIA Performance

The new Quadro solutions allow you to use advanced textures and materials on large assemblies without slowing down the design process. Stylists can now use realistic materials like car paint, diamonds and leather stitching to render life-like models. Electrical and hydraulics engineering teams can navigate complete airplane or car assemblies to make accurate technical decisions faster. Go ahead and rotate, pan, zoom and modify without worry. Quadro gives you the power you need.

The Proven Solution for CATIA

NVIDIA® Quadro® professional graphics cards are certified and recommended by Dassault Systèmes and come with a three year warranty. The close collaboration during product development guarantees stability and reliability of the platform, so everything will perform just the way you expect from day one. It's no wonder 9 out of 10 CATIA users choose Quadro in their workstations.
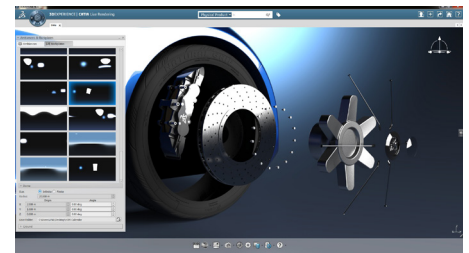
CATIA Live Rendering for Photorealistic Designs

CATIA Live Rendering provides designers and engineers with intuitive means for creating images that rival photographs, in a fraction of the time previously required. You can now use materials and lights that correspond to and react like those in the physical world, quickly bringing your models to life. Assemblies of every size can now be interactively rendered directly within CATIA due to the parallel processing architecture of NVIDIA Quadro solutions. By tightly integrating NVIDIA® Iray® rendering technology into the application, CATIA blurs the lines between traditional modeling and ray traced rendering. The remarkably simple user interface lets you easily modify designs, materials, reflections and backgrounds—allowing you to focus on the creative process.

Support for NVIDIA Quadro VCA (Visual Computing Appliance) hardware was introduced in CATIA 3DEXPERIENCE R2015x. Quadro VCA is the fastest way to create photorealistic images, letting designers leverage one or multiple appliances to massively accelerate the time to noiseless physically based global illumination.
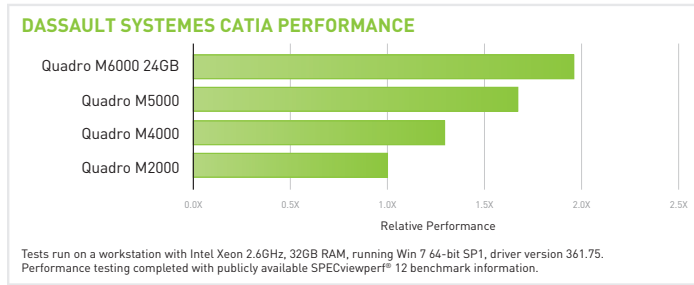

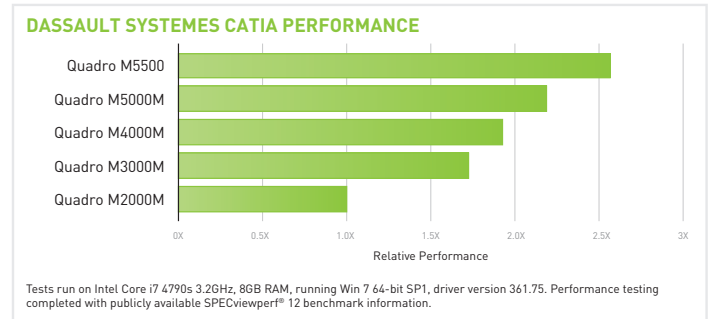CATIA Live Rendering brings models to life.

Design complex models, faster.

For Desktop Workstations

DASSAULT SYSTEMES CATIA PERFORMANCE

Quadro M6000 24GB
Quadro M5000
Quadro M4000
Quadro M2000

0.0X 0.5X 1.0X 1.5X 2.0X 2.5X
Relative Performance

Tests run on a workstation with Intel Xeon 2.6GHz, 32GB RAM, running Win 7 64-bit SP1, driver version 361.75.
Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

For Mobile Workstations

DASSAULT SYSTEMES CATIA PERFORMANCE

Quadro M5500
Quadro M5000M
Quadro M4000M
Quadro M3000M
Quadro M2000M

0X 0.5X 1.0X 1.5X 2.0X 2.5X 3X
Relative Performance

Tests run on Intel Core i7 4790s 3.2GHz, 8GB RAM, running Win 7 64-bit SP1, driver version 361.75. Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

RECOMMENDED GRAPHICS SOLUTIONS FOR CATIA CAD USE

USAGE	Occasional modeling Simple assemblies, single part design	Intensive modeling Complex system assembly	Expert modeling Design and styling
For Desktop Workstations	**Quadro M2000**	**Quadro M4000**	**Quadro M5000 / Quadro M6000 24GB**
GPU MEMORY	4 GB GDDR5	8 GB GDDR5	8 GB GDDR5 / 24 GB GDDR5
REPLACES	Quadro K2200 or Quadro K2000	Quadro K4200 or Quadro K4000	Quadro K5200 or Quadro K5000 / Quadro K6000 or Quadro 6000
For Mobile Workstations	**Quadro M2000M**	**Quadro M3000M / Quadro M4000M**	**Quadro M5000M / Quadro M5500**
GPU MEMORY	4 GB GDDR5	4 GB GDDR5	8 GB GDDR5
REPLACES	Quadro K2100M/K2200M or Quadro K2000M	Quadro K3100M or Quadro K3000M / Quadro K4100M or Quadro K4000M	Quadro K5100M or Quadro K5000M

To learn more, visit **www.nvidia.com/catia**

Quadro professional graphics solutions are engineered, built, and tested by NVIDIA to provide the highest standards of quality for maximum system uptime. For the latest updates on software certifications and support, please visit the Dassault Systèmes platform support website. With advanced support for a multiple display environment, you can view more content to boost productivity. In addition, with robust features, including a unified driver architecture and nView display management software, Quadro solutions offer IT departments an easy to deploy and manage solution.