NVIDIA QUADRO AND CATIA
THE PROVEN COMBINATION FOR EXCEPTIONAL DESIGNS

NVIDIA Quadro is certified by Dassault Systèmes for exceptional performance.

The latest NVIDIA® Quadro® professional graphics solutions, and CATIA are trusted by engineers and designers in industries ranging from automotive and aerospace to consumer packaged goods. The collaboration of NVIDIA, Dassault Systèmes, and the leading workstation manufacturers assures you of optimized performance and the most advanced features, including CATIA Live Rendering with Multi-GPU accelerated ray tracing.

Increase 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, diamond and leather stitching to render life-like models. Electrical and hydraulics engineering teams can navigate complete airplane or car assemblies to make correct 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 professional graphics solutions 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.
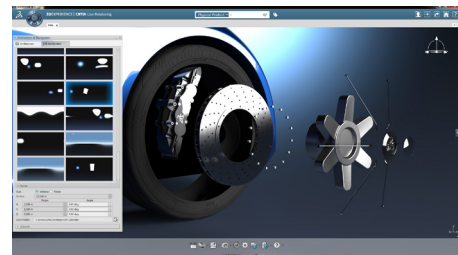
CATIA Live Rendering for Photorealistic Designs

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.

The new Visual Experience Designer feature in CATIA R2015x, which delivers real-time "live" rendering visualization so designers can work directly in a highly realistic visual environment, introduced support of NVIDIA® Quadro VCA hardware. NVIDIA Quadro VCA (Visual Computing Appliance) is the fastest way to create photorealistic images. This network-attached appliance easily integrates into your design workflow and scales to multiple VCAs, each decreasing the time to noiseless physically-based global illumination.
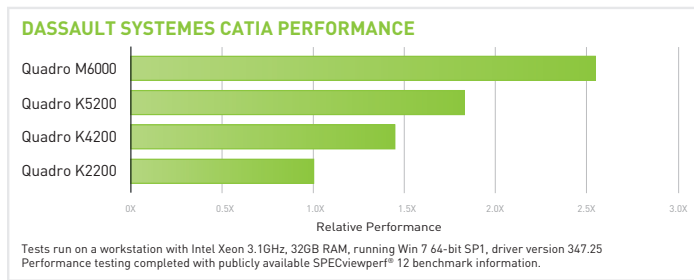

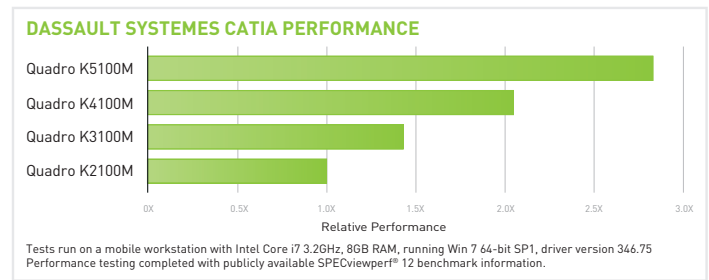New CATIA Live Rendering brings models to life.

Design complex models, faster.

For Desktop Workstations

DASSAULT SYSTEMES CATIA PERFORMANCE

Quadro M6000	
Quadro K5200	
Quadro K4200	
Quadro K2200	

Relative Performance (0X – 3.0X)

Tests run on a workstation with Intel Xeon 3.1GHz, 32GB RAM, running Win 7 64-bit SP1, driver version 347.25
Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

For Mobile Workstations

DASSAULT SYSTEMES CATIA PERFORMANCE

Quadro K5100M	
Quadro K4100M	
Quadro K3100M	
Quadro K2100M	

Relative Performance (0X – 3.0X)

Tests run on a mobile workstation with Intel Core i7 3.2GHz, 8GB RAM, running Win 7 64-bit SP1, driver version 346.75
Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

RECOMMENDED GRAPHICS SOLUTIONS FOR CATIA CAD

	Occasional modeling Simple assembly, single part design	Intensive modeling Complex system assembly	Expert modeling Design and styling	Demanding creative design Model and design extra-large data sets
USAGE				
BENEFIT	All around performance for spinning, panning and zooming	Better performance when working with a large amount of data	Use complex materials and surfaces for better design fidelity	Use the biggest data models with the best interactivity
For Desktop Workstations	**Quadro K2200**	**Quadro K4200**	**Quadro K5200**	**Quadro M6000**
GPU MEMORY	4 GB GDDR5	4 GB GDDR5	8 GB GDDR5	12 GB GDDR5
REPLACES	Quadro K2000 or Quadro 2000	Quadro K4000 or Quadro 4000	Quadro K5000 or Quadro 5000	Quadro K6000 or Quadro 6000
For Mobile Workstations	**Quadro K2100M/ K2200M**	**Quadro K3100M**	**Quadro K4100M**	**Quadro K5100M**
GPU MEMORY	2 GB GDDR5	4 GB GDDR5	4 GB GDDR5	8 GB GDDR5
REPLACES	Quadro K2000M or Quadro 2000M	Quadro K3000M or Quadro 3000M	Quadro K4000M or Quadro 4000M	Quadro K5000M or Quadro 5010M

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

3DS CATIA

Quadro professional graphics solutions are engineered, built, and tested by NVIDIA to provide the highest standards of quality for maximum system uptime. 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.

NVIDIA.