

## RAISE THE BAR FOR 3DS MAX NVIDIA® GPUs AND IRAY

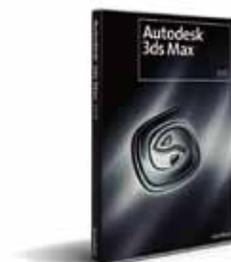
### JOIN THE RENDERING REVOLUTION AND MAXIMIZE YOUR SPEED TO PHOTOREALISM WITH IRAY AND NVIDIA FERMİ CLASS GPUs.

To take full advantage of Autodesk 3ds Max 2011<sup>1</sup> and realize photo real images, you need an NVIDIA Quadro professional graphics solution. Quadro lets you dial up the complexity of your designs, visualize them with photorealistic detail, and deliver higher quality results in less time.

The iray workflow is further enhanced with massive acceleration from NVIDIA Graphics Processing Units (GPUs) based on the NVIDIA® CUDA™ architecture. While iray produces identical images on either CPUs or GPUs, 3ds

Max users will enjoy up to 6x faster results over a quad-core CPU<sup>2</sup> when using an NVIDIA® Quadro® 5000 or NVIDIA® Tesla™ C2050. Designers looking for the fastest iray results can further boost their speed by adding additional NVIDIA GPUs to their system.

The massive processing power and large frame buffers of the new Fermi-based Quadro and Tesla GPUs dramatically decrease time to photorealistic results.



*"iray with the Quadro 5000 and Tesla C2050 card combination is delivering the kind of images I've dreamed about for over two decades."*

N.T.W. Fox,  
Architect

### WHICH CONFIGURATION IS BEST FOR YOU?

#### MAX ARTIST

Quadro 5000 or Quadro 4000

- > The 3D artist wanting accelerated, interactive graphics performance and increased texture memory
- > Delivers up to 5x iray speed up over a quad core CPU

#### IRAY SPECIALIST

Quadro 5000 + Tesla C2050

- > The visualization specialist wanting to increase the performance of iray
- > Delivers up to 10x iray speed up over a quad core CPU

#### IRAY EXPERT

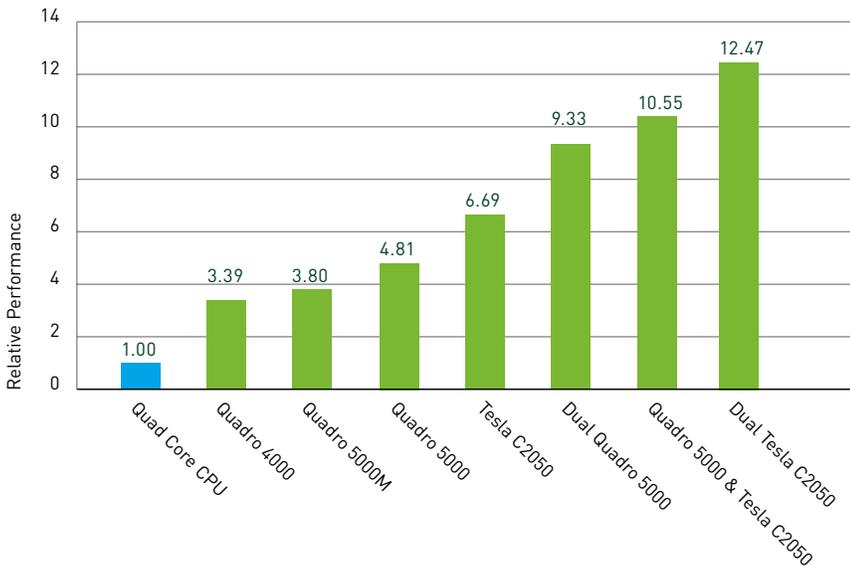
Quadro 5000 + (3) Tesla C2050

- > The visualization expert needing the fastest possible iray results
- > Delivers a blazing +20x iray speed up over a quad core CPU

All configurations deliver up to 33% greater viewport performance over consumer graphics cards.

## CHECK OUT THE PERFORMANCE INCREASE YOU GET WHEN USING NVIDIA GPU<sub>s</sub>

### 3DS MAX IRAY RENDERING BENCHMARK<sup>3</sup>



## CERTIFIED AND RECOMMENDED NVIDIA GPU<sub>s</sub>

	Quadro 5000	Quadro 4000	Tesla C2050
CUDA Parallel Processing cores	352	256	448
Frame Buffer Memory	2.5 GB GDDR5	2 GB GDDR5	3GB GDDR5
Memory Interface	320-bit	256-bit	384-bit
Memory Bandwidth	120 GB/s	89.6 GB/s	144 GB/sec
Max Power Consumption	152 W	142 W	238W
Graphics Bus	PCI Express 2.0 x16	PCI Express 2.0 x16	PCI Express 2.0 x16
Display Connectors <sup>4</sup>	DVI-I (1), DP (2), Stereo (1)	DVI-I (1), DP (2), Stereo (1 optional)	DVI-I (1)
Thermal Solution	Active	Active	Active



**Autodesk**<sup>®</sup>

Autodesk and NVIDIA collaborate closely on product development to deliver a reliable user experience, so everything will perform just the way you expect from day one. Quadro graphics solutions are engineered, built, and tested by NVIDIA to provide you with the performance and reliability you need, whenever you need it. And with a three year warranty plus direct support from NVIDIA, Quadro solutions ensure the highest standards of quality, delivering industry leading performance, capabilities and reliability.

**QUADRO** *fermi* | Exponentially Better for Autodesk 3ds Max 2011

To learn more, visit [www.nvidia.com/3dsmax](http://www.nvidia.com/3dsmax)

<sup>1</sup> 3ds Max 2011 subscription content required

<sup>2</sup> 3ds Max 2011 64-bit on Win 7 64-bit with 8GB of system memory using a Quadro 5000 or Tesla C2050 vs. an Intel<sup>®</sup> Q9300 quad core processor

<sup>3</sup> Benchmark testing conducted on Intel Core 2 Quad (Q9300) @ 2.5GHz with 8gb system memory with Windows 7 64-bit. Average results recorded across several 3ds Max scenes

<sup>4</sup> Two out of any three connectors can be active at a time

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