

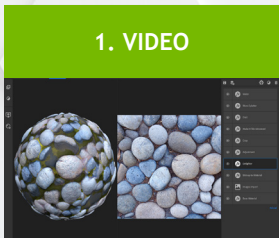


RTX ON CREATE AT THE SPEED OF IMAGINATION

WELCOME TO YOUR NEW CREATIVE STUDIO, POWERED BY QUADRO RTX 4000.

A new age of creativity is upon us. Accelerated your creative workflow with the power of Quadro RTX Studio mobile workstations, which combine unparalleled compute and graphics performance with workstation-class stability, security, and reliability to deliver the most powerful mobile solution for creators. With 2304 CUDA Cores, 36 RT Cores, 288 Tensor Cores, and 8 GB of ultra-fast GPU memory, it's everything you need to work across multiple content creation apps simultaneously. Welcome to your new creative studio, powered by Quadro RTX.

DRIVE THE MOST COMPLEX CREATIVE WORKFLOWS WITH QUADRO RTX



1. VIDEO

- Edit/grade high-res video with more layers, transitions, & effects using large memory with ECC
- Bring AI up-res, auto-color matching, auto-reframing to video workflows
- Create using 100+ apps tested and certified with Quadro and OEM systems
- Efficiently manage workspace with nView Desktop Manager
- Avoid unnecessary system memory copies/CPU overhead with GPUDirect for Video



3. RENDERING

- Massive GPU memory capacities and multi-GPU configurations let you build entire 3D worlds with high-res textures
- Overlap, blend, and adjust an image across up to 16 curved displays with warp & blend
- Optimize and run creative apps reliably with tested and tuned Quadro drivers
- Synchronize multiple Quadro GPUs with displays or projects using Quadro Sync
- Project a single image on up to 32 high-res panels using Mosaic multi-display with bezel correction



2. 3D GRAPHICS

- Render massive datasets with up to 96GB of GPU memory using NVLink and multi-GPU configurations
- Deliver complex renders free of errors with ECC memory and large framebuffers
- Render large scene files interactively in the application viewport with RTX-accelerated rendering and AI-denoising
- Unique blower design lets you create personal render farms with high-density multi-GPU workstations
- Data center tested and certified for maximum reassurance and reliability

NVIDIA RTX TECHNOLOGY LETS YOU WORK SMARTER AND FASTER



REAL-TIME RAY TRACING
 Create cinematic quality, photorealistic renders



AI
 Optimize workflows with AI-enhanced applications



8K
 Work natively with 8K video content



NVIDIA GPU CLOUD (NGC)
 Discover the power of GPU-accelerated containers



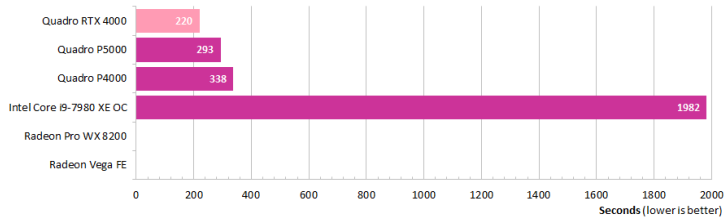
VR
 Build immersive experiences in VR



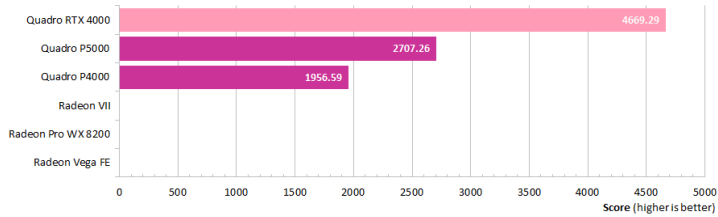
NVIDIA QUADRO RTX 4000 BENCHMARK RESULTS*

* BENCHMARK RESULTS COURTESY OF IGORSLAB. YOU CAN FIND THE COMPLETE TEST ON IGORSLAB.DE IN GERMAN AND ENGLISH

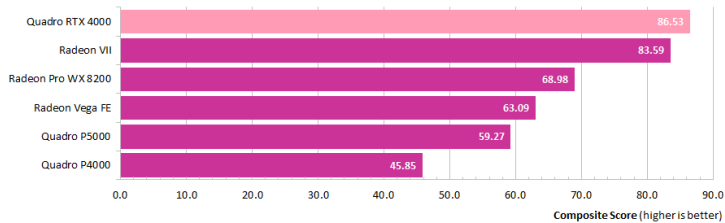
Solidworks 2019 - Visualize
 High Quality Rendering, AI Denoiser On
 1969 Camararo, 3840 x 2160 Pixels, GPU only



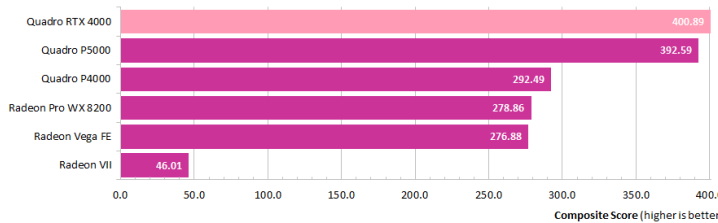
Arion Benchmark
 Benchmark Value
 Hardware-Rendering



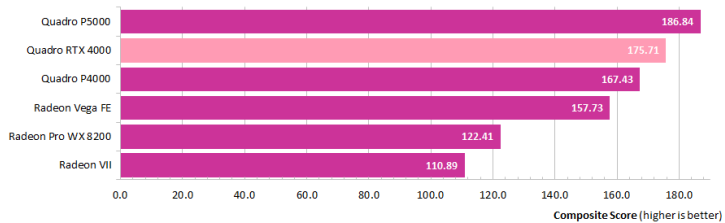
SPECviewperf 13.0 - ImageVis3D (Medical)
 GPU Composite Score
 SPECcapc Workload, 1900 x 1060 Pixels



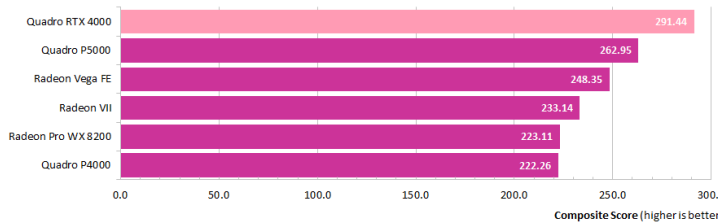
SPECviewperf 13.0 - Siemens NX 8
 GPU Composite Score
 SPECcapc Workload, 1900 x 1060 Pixels



SPECviewperf 13.0 - Solidworks 2013 SP1
 GPU Composite Score
 SPECcapc Workload, 1900 x 1060 Pixels



SPECviewperf 13.0 - Maya 2017
 GPU Composite Score
 SPECcapc Workload, 1900 x 1060 Pixels



	NVIDIA QUADRO RTX 4000	NVIDIA QUADRO P4000	BENEFIT
GPU Architecture	Turing	Pascal	Greatest leap forward since CUDA GPU
CUDA Cores	2304	1792	Significantly greater compute and rendering performance
RT Cores	36	None	Advanced shading and real-time ray tracing
Tensor Cores	288	None	Supports acceleration of AI/DL/ML/MV applications
FP32 Compute	7,1 TFLOPS	5,3 TFLOPS	FP32 performance 1.34x better
Memory Size	8 GB GDDR6	8 GB GDDR5X	Next generation memory technolog
Memory Bus Width	256-bit	256-bit	Better bandwidth performance at same bus width
Peak Memory Bandwidth	416 GB/sec	243 GB/sec	Move data to and from GPU 1.7x faster
Display Support	3x DP1.4 1x VirtualLink*	4x DP 1.4	Single cable 8K HDR display and VR HMD support
Advanced Display	Quadro SYNC II + Mosaic	Quadro SYNC II + Mosaic	Synchronize up to 8 GPUs per system (32 displays)
Board Power	TGP 125W TBP 160W	TGP 105W	Includes ability to power VR HMD via VirtualLink
Auxilliary Power Connector	1x PCIe 8-pin	1x PCIe 6-pin	Industry standard 8-pin PCIe connector

* Retail Pack includes 1x USB-C to DP 1.4 adapter