



CREATIVE COMPUTING
SOLUTIONS

CPU / GPU BENCHMARK TEST RESULTS

The AMD logo is prominently displayed in the center of the image. It consists of the word 'AMD' in a bold, white, sans-serif font, followed by a white square icon containing a stylized, geometric 'A' shape. The background of this section is a dark blue and black field with glowing orange and yellow circuit traces, suggesting a high-tech or computing theme.The NVIDIA logo is positioned on the left side of the image. It features a green square icon with a stylized white 'V' shape inside, followed by the word 'NVIDIA' in a bold, white, sans-serif font. The background of this section is a dark blue and black field with glowing green and yellow circuit traces, suggesting a high-tech or computing theme.The Intel logo is located at the bottom of the image. It features the word 'intel' in a white, lowercase, sans-serif font, with a registered trademark symbol (®) to its upper right. The logo is enclosed within a white, stylized oval shape. The background of this section is a dark blue and black field with glowing blue and white circuit traces, suggesting a high-tech or computing theme.



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Creative Computing Solutions

Ryzen CPU Benchmarks



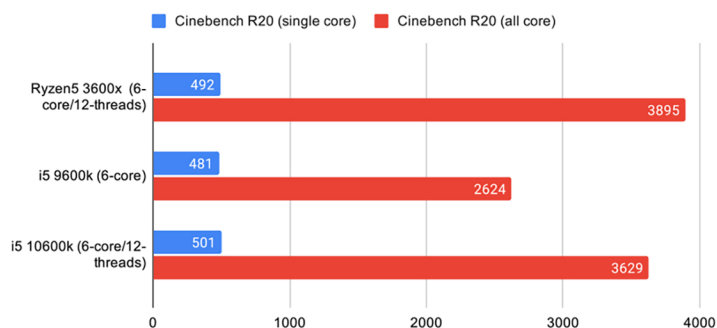
CINEBENCH
Release 20

Cinebench is a cross-platform test suite which tests a computer's hardware capabilities. It can be used as a test for Cinema 4D's 3D modeling, animation, motion graphic and rendering performance on multiple CPU cores. The program targets a certain niche and is better suited for high-end desktop and workstation platforms.

Cinebench is commonly used to demonstrate hardware capabilities at tech shows to show a CPU performance

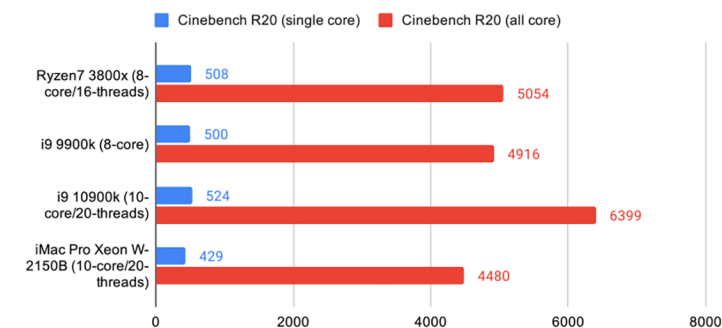
Cinebench R20 - Ryzen5 Comparison (6-core)

Cinebench Points - Higher is better



Cinebench R20 - Ryzen7 Comparison (8-core)

Cinebench Points - Higher is better



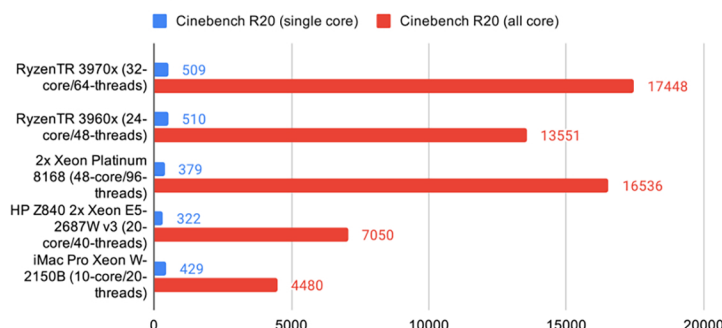
Cinebench R20 - Ryzen9 Comparison (16-core)

Cinebench Points - Higher is better



Cinebench R20 - Ryzen Threadripper Comparison (32-core)

Cinebench Points - Higher is better



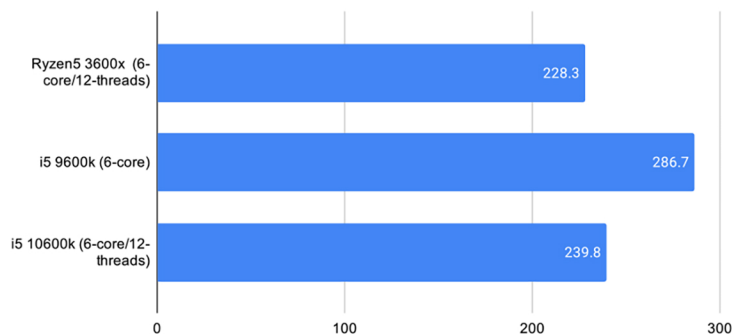


Blender Benchmark is a platform to collect and display the results of hardware and software performance tests. The Blender Benchmark will compute performance for CUDA, OpenCL, and CPU, along with GPU performance.

With this benchmark we aim at an optimal comparison between system hardware and installations.

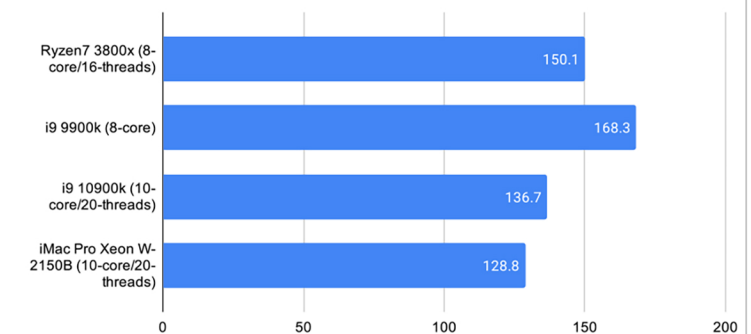
Blender v2.9 BMW - Ryzen5 Comparison (6-core)

Render in Seconds - Lower is better



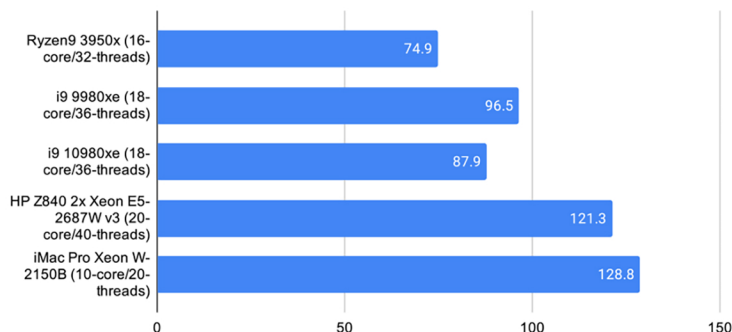
Blender v2.9 BMW - Ryzen7 Comparison (8-core)

Render in Seconds - Lower is better



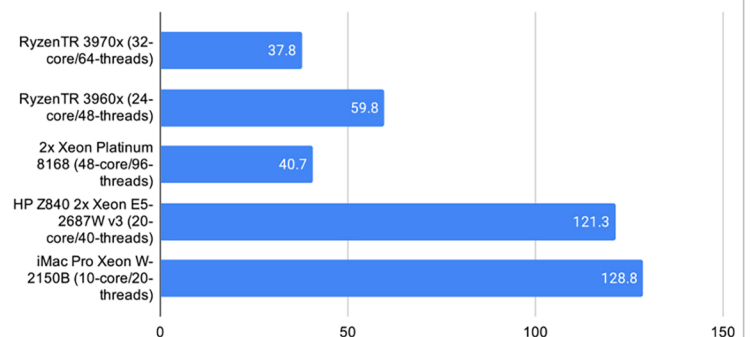
Blender v2.9 BMW - Ryzen9 Comparison (16-core)

Render in Seconds - Lower is better



Blender v2.9 BMW - Ryzen Threadripper Comparison (32-core)

Render in Seconds - Lower is better





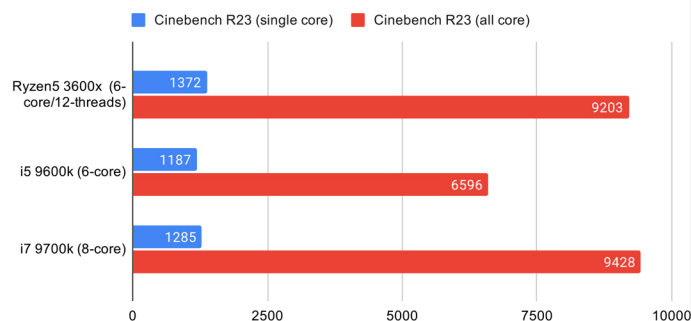
CINEBENCH R23

Cinebench is a cross-platform test suite which tests a computer's hardware capabilities. It can be used as a test for Cinema 4D's 3D modeling, animation, motion graphic and rendering performance on multiple CPU cores. The program targets a certain niche and is better suited for high-end desktop and workstation platforms.

Cinebench is commonly used to demonstrate hardware capabilities at tech shows to show a CPU performance

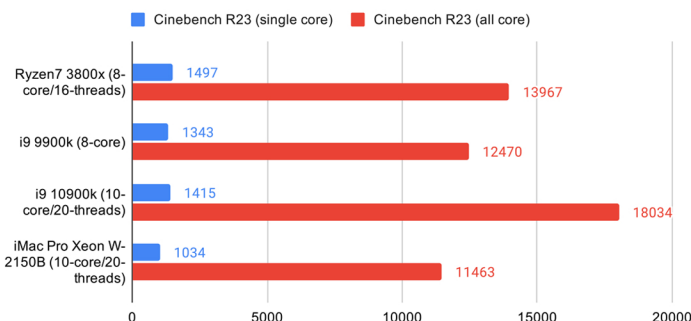
Cinebench R23 - Ryzen5 Comparison (6-core)

Cinebench Points - Higher is better



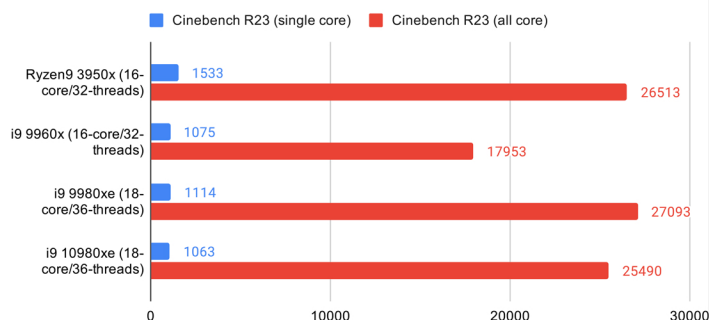
Cinebench R23 - Ryzen7 Comparison (8-core)

Cinebench Points - Higher is better



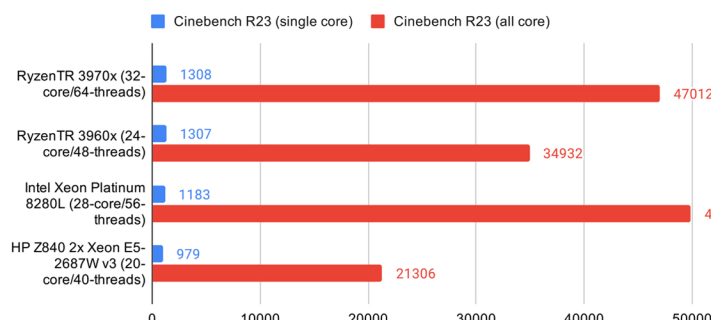
Cinebench R23 - Ryzen9 Comparison (16-core)

Cinebench Points - Higher is better



Cinebench R23 - Ryzen Threadripper Comparison (32-core)

Cinebench Points - Higher is better





corona

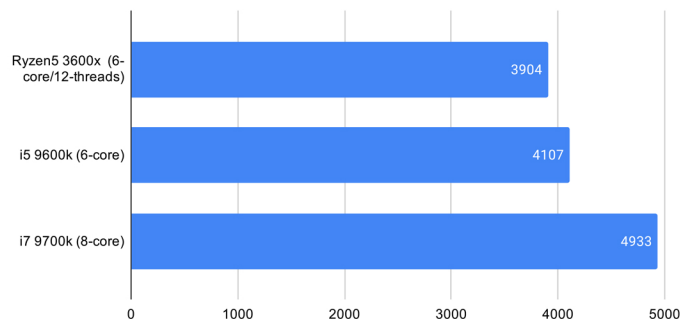
BENCHMARK RESULTS

Corona Renderer is a modern high-performance (un)biased photorealistic renderer, available for Autodesk 3ds Max, MAXON Cinema 4D, and as a standalone application. The development of Corona Renderer started back in 2009 as a solo student project of Ondřej Karlík at Czech Technical University in Prague. Corona has since evolved to a full-time commercial project. In August 2017, the company became part of Chaos Group, allowing for further expansion and growth.

Despite its young age, Corona Renderer has become a production-ready renderer capable of creating high-quality results.

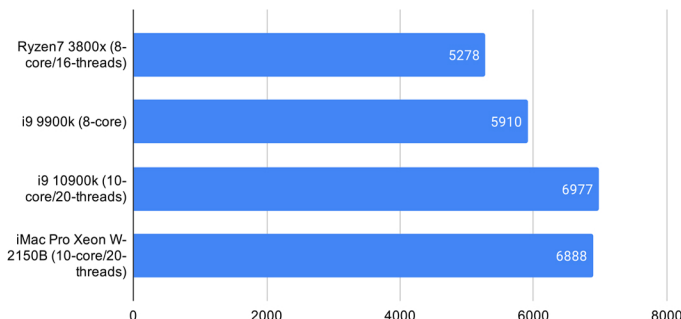
Corona v1.3 - Ryzen5 Comparison (6-core)

Rays per second - Higher is better



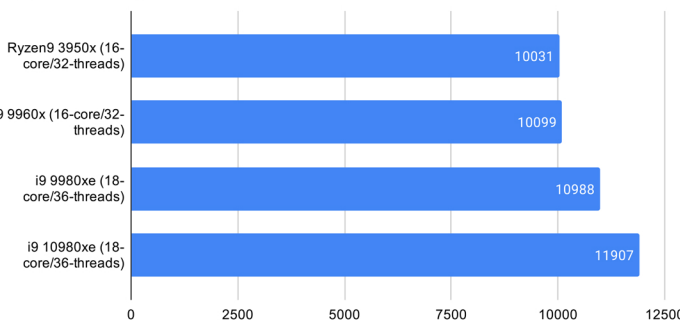
Corona v1.3 - Ryzen7 Comparison (8-core)

Rays per second - Higher is better



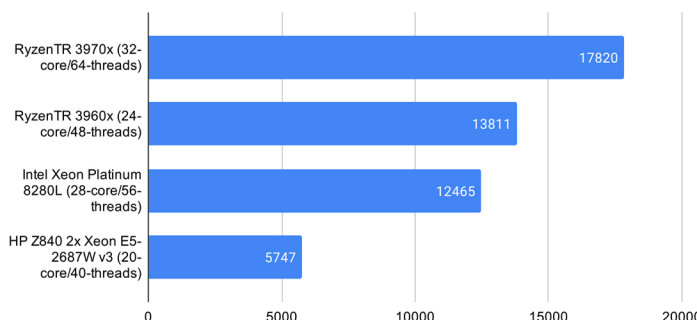
Corona v1.3 - Ryzen9 Comparison (16-core)

Rays per second - Higher is better



Corona v1.3 - Ryzen Threadripper Comparison (32-core)

Rays per second - Higher is better



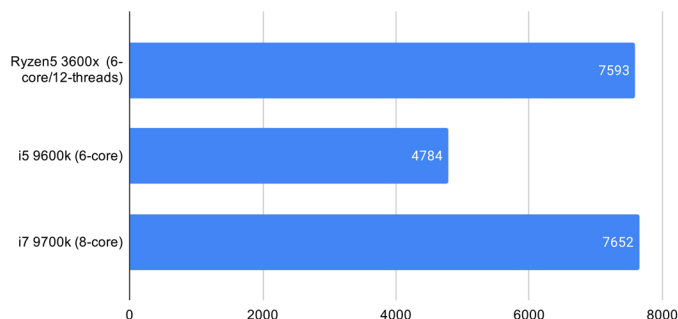


3ds Max

V-Ray is a biased computer-generated imagery rendering software application developed by Bulgarian Chaos Group that was established in Sofia in 1997. V-Ray is a commercial plug-in for third-party 3D computer graphics software applications and is used for visualizations and computer graphics in industries such as media, entertainment, film and video game production, industrial design, product design and architecture.

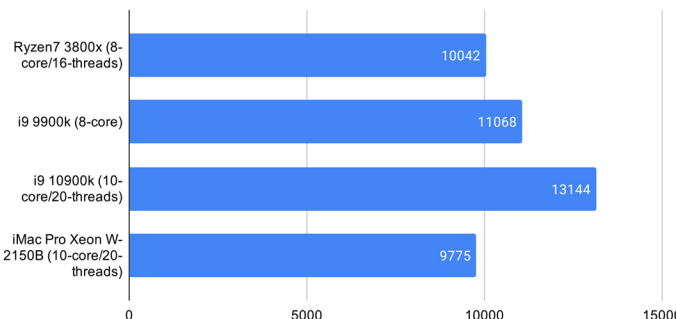
V-Ray v5 - Ryzen5 Comparison (6-core)

vSamples rendered in 1 minute - Higher is better



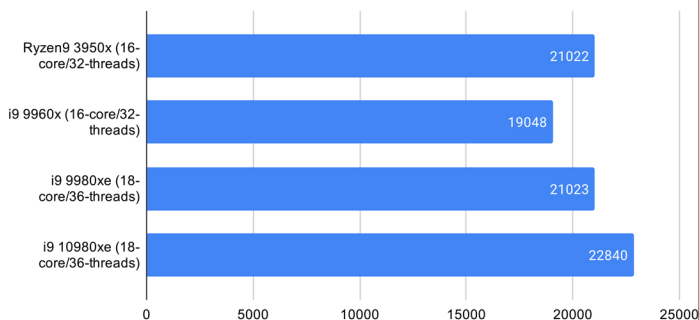
V-Ray v5 - Ryzen7 Comparison (8-core)

vSamples rendered in 1 minute - Higher is better



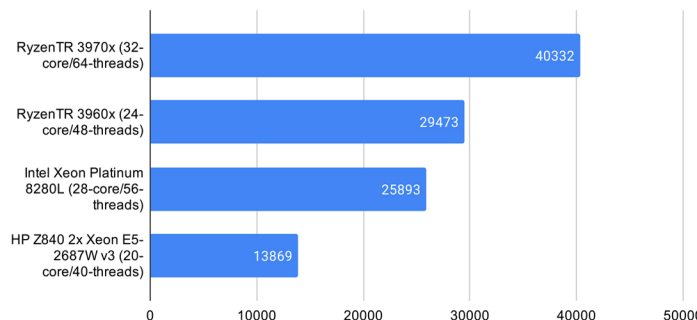
V-Ray v5 - Ryzen9 Comparison (16-core)

vSamples rendered in 1 minute - Higher is better



V-Ray v5 - Ryzen Threadripper Comparison (32-core)

vSamples rendered in 1 minute - Higher is better



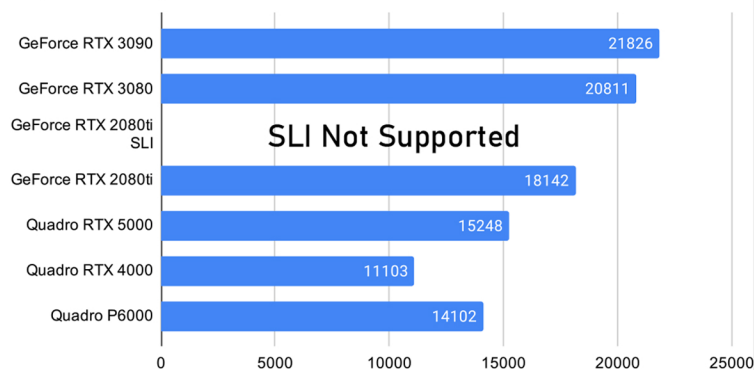
:: UNIGINE SUPERPOSITION

UNIGINE is a leading software provider of interactive 3D visualization technologies since 2005. UNIGINE Superposition is an extreme performance and stability test for PC hardware, including video card, power supply, and cooling system. Tests your rig in stock and overclocking modes with real world work loads!

Also includes an interactive experience in a beautifully detailed environment.

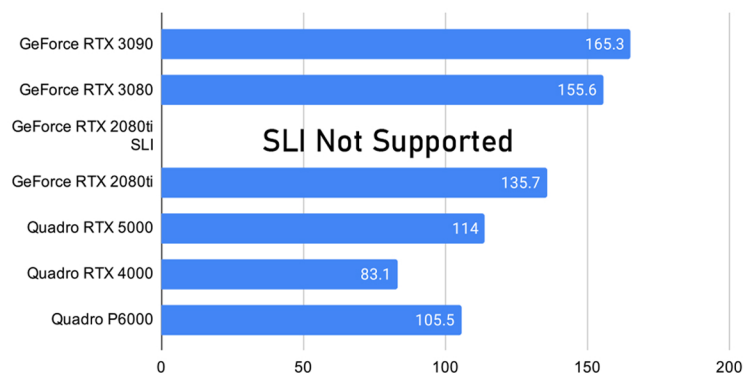
AMD Threadripper 3970x - Unigine Superposition v1.1 1080p High

Unigine Score - Higher is Better



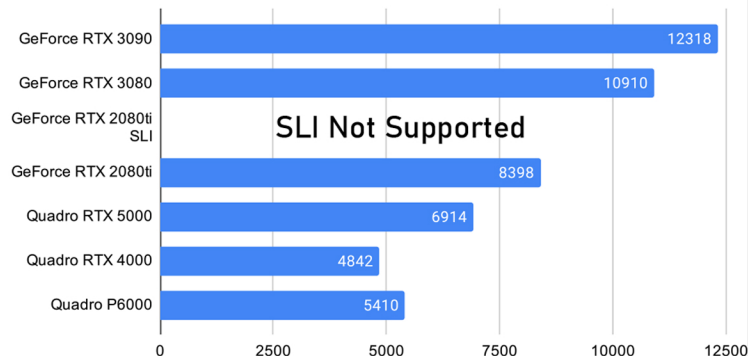
AMD Threadripper 3970x - Unigine Superposition v1.1 1080p High

FPS - Higher is Better



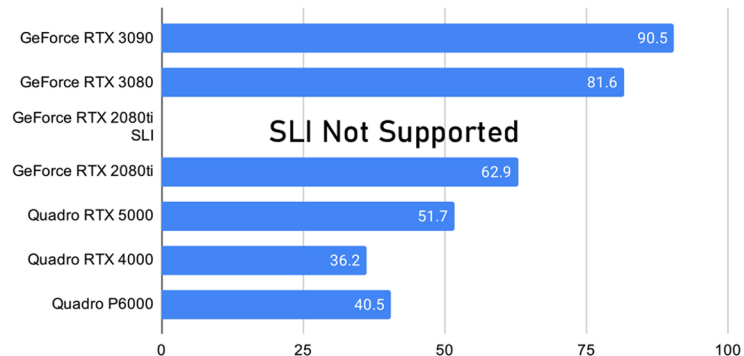
AMD Threadripper 3970x - Unigine Superposition v1.1 1080p Extreme

Unigine Score - Higher is Better



AMD Threadripper 3970x - Unigine Superposition v1.1 1080p Extreme

FPS - Higher is Better

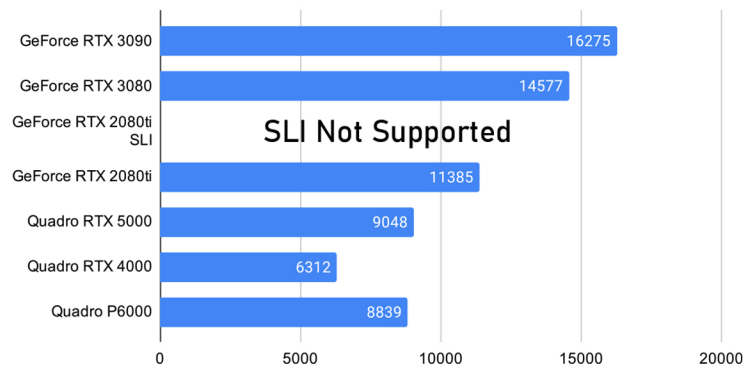


::: UNIGINE

SUPERPOSITION

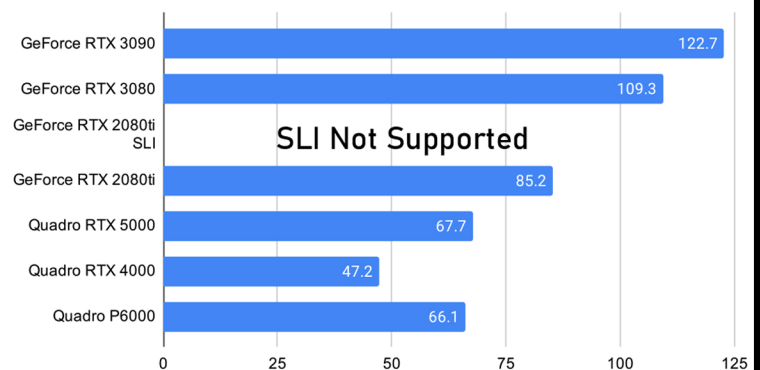
AMD Threadripper 3970x - Unigine Superposition v1.1 4K Optimized

Unigine Score - Higher is Better



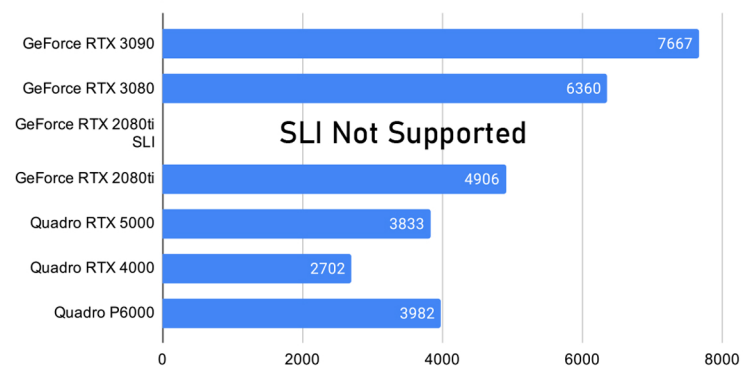
AMD Threadripper 3970x - Unigine Superposition v1.1 4K Optimized

FPS - Higher is Better



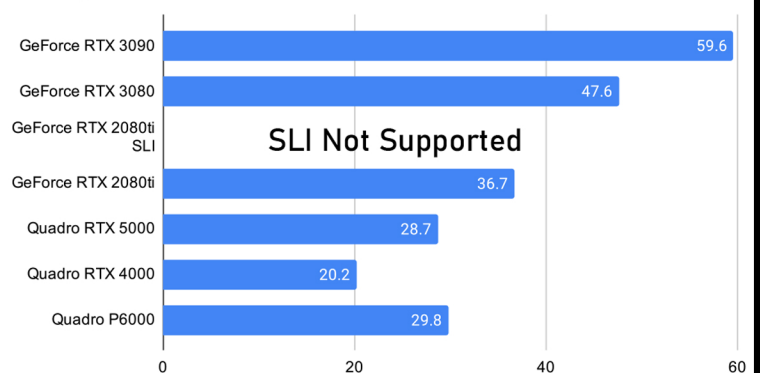
AMD Threadripper 3970x - Unigine Superposition v1.1 8K Optimized

Unigine Score - Higher is Better



AMD Threadripper 3970x - Unigine Superposition v1.1 8K Optimized

FPS - Higher is Better

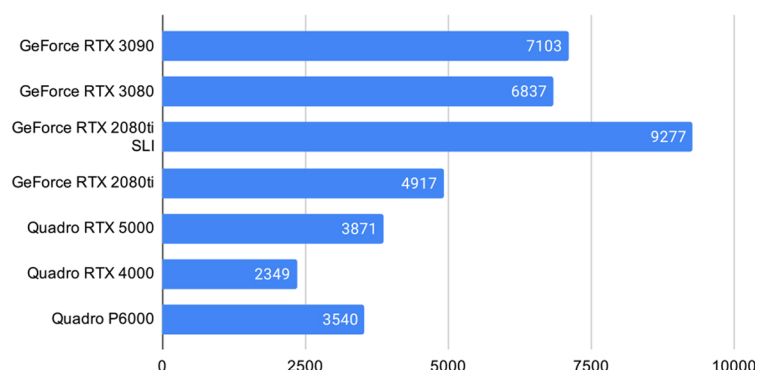




FurMark is an intensive OpenGL-based GPU stress test. FurMark will push your GPU to its limits in order to test its stability. FurMark uses fur rendering algorithms, which are specifically designed to overhead your GPU, to measure graphics card performance.

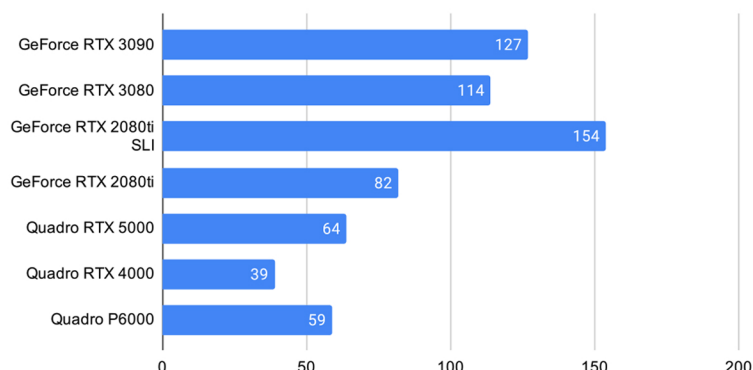
AMD Threadripper 3970x - Furmark v1.21 1080p Preset

Furmark Score - Higher is Better



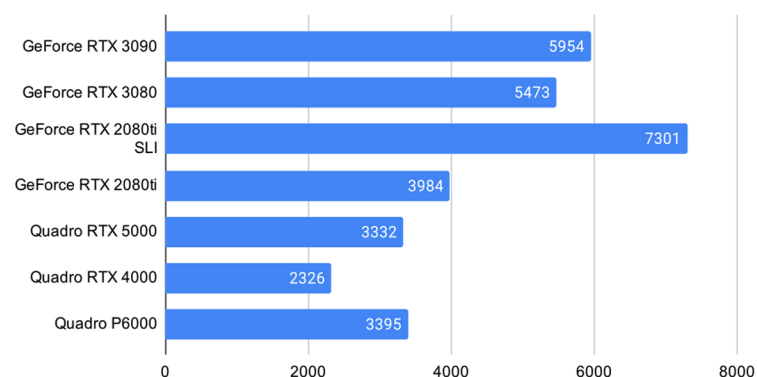
AMD Threadripper 3970x - Furmark v1.21 1080p Preset

FPS - Higher is Better



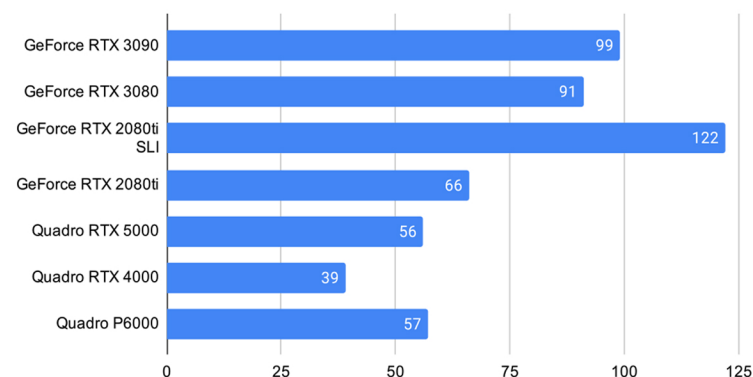
AMD Threadripper 3970x - Furmark v1.21 4K Preset

Furmark Score - Higher is Better



AMD Threadripper 3970x - Furmark v1.21 4K Preset

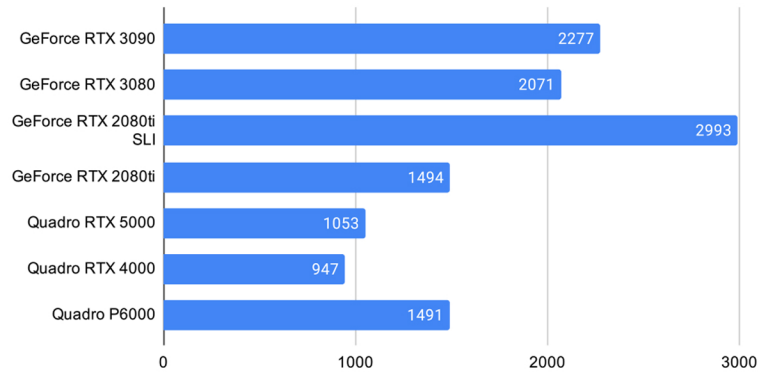
FPS - Higher is Better





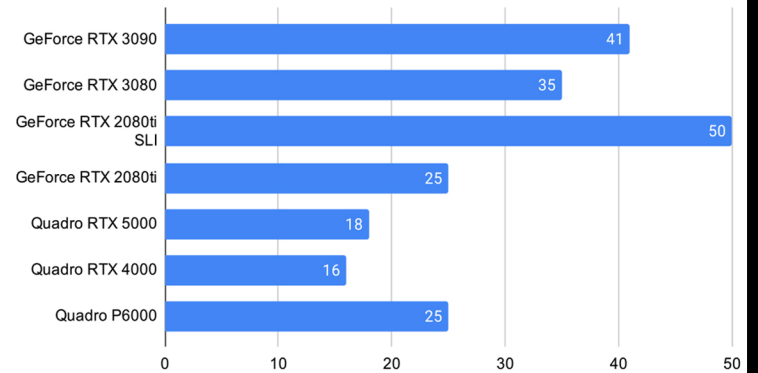
AMD Threadripper 3970x - Furmark v1.21 8K Preset

Valley Score - Higher is Better



AMD Threadripper 3970x - Furmark v1.21 8K Preset

FPS - Higher is Better

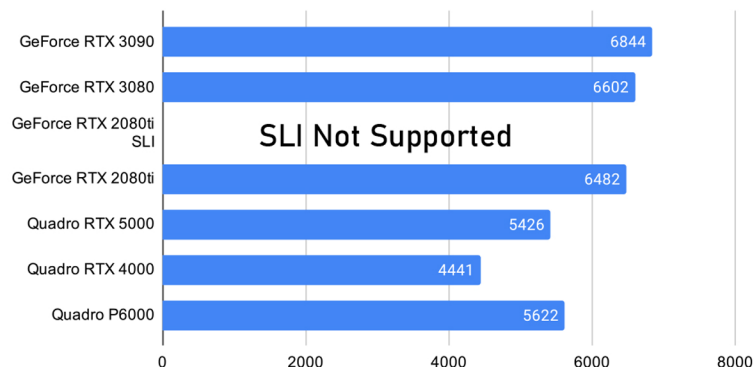




Valley Benchmark is a GPU stress-testing tool from the developers of the very popular and highly acclaimed Heaven Benchmark. The forest-covered valley surrounded by vast mountains amazes with its scale from a bird's-eye view and is extremely detailed down to every leaf and flower petal. This non-synthetic benchmark powered by the state-of-the art UNIGINE Engine showcases a comprehensive set of cutting-edge graphics technologies with a dynamic environment and fully interactive modes available to the end user.

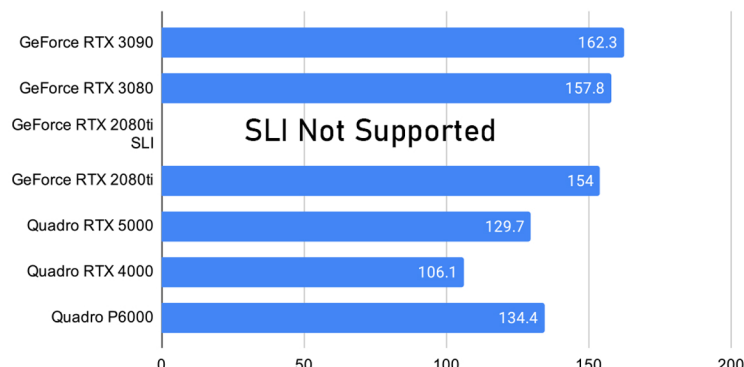
AMD Threadripper 3970x - Unigine Valley 1.0 Extreme

Valley Score - Higher is Better



AMD Threadripper 3970x - Unigine Valley 1.0 Extreme

FPS - Higher is Better





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Nvidia GPU Benchmarks

With Threadripper 3970x CPU

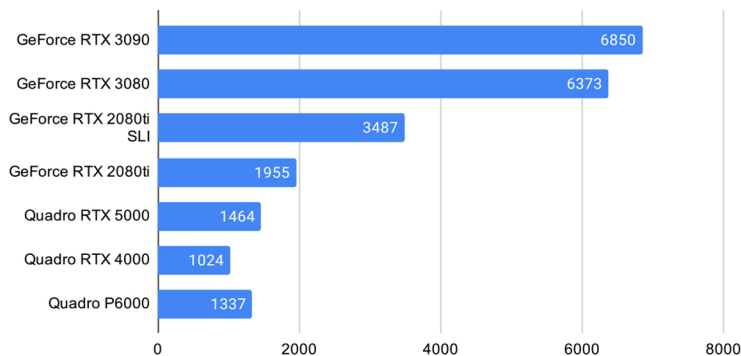


Heaven Benchmark is a GPU-intensive benchmark that hammers graphics cards to the limits. This powerful tool can be effectively used to determine the stability of a GPU under extremely stressful conditions, as well as check the cooling system's potential under maximum heat output.

An interactive experience with fly-by and walk-through modes allows for exploring all corners of this world powered by the cutting-edge UNIGINE Engine that leverages the most advanced capabilities of graphics APIs and turns this bench into a visual masterpiece.

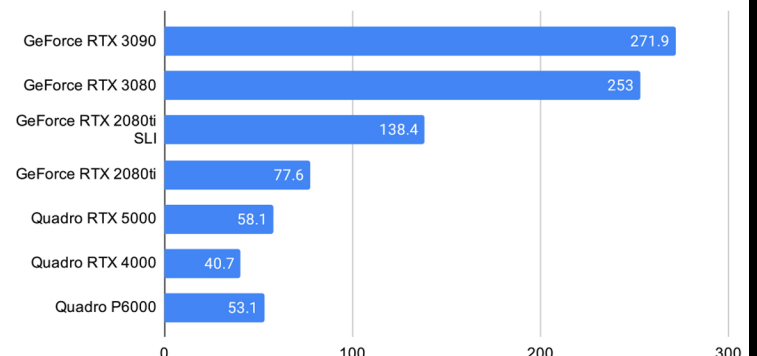
AMD Threadripper 3970x - Unigine Heaven 4K

Valley Score - Higher is Better



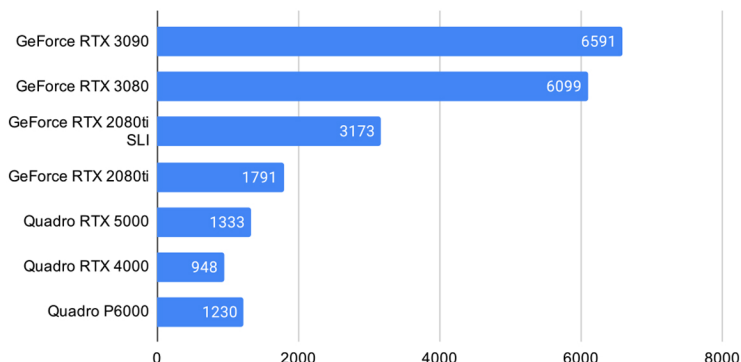
AMD Threadripper 3970x - Unigine Heaven 4K

FPS - Higher is Better



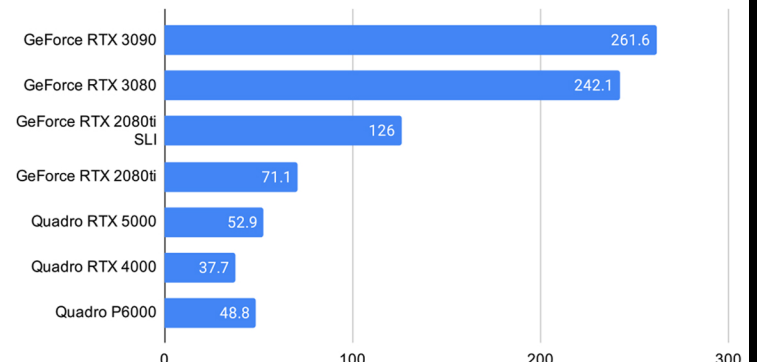
AMD Threadripper 3970x - Unigine Heaven 4K w/2xMSAA

Valley Score - Higher is Better



AMD Threadripper 3970x - Unigine Heaven 4K w/2xMSAA

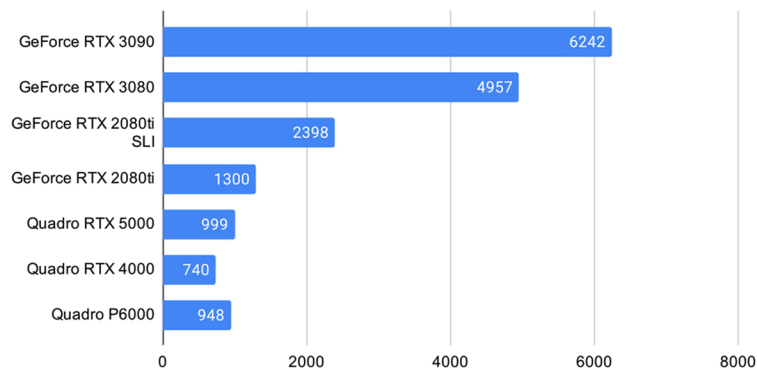
FPS - Higher is Better





AMD Threadripper 3970x - Unigine Heaven 4K w/8xMSAA

Valley Score - Higher is Better



AMD Threadripper 3970x - Unigine Heaven 4K w/8xMSAA

FPS - Higher is Better

