NVIDIA QUADRO RTX
AUTODESK VRED

Image courtesy of Peter Spriggs

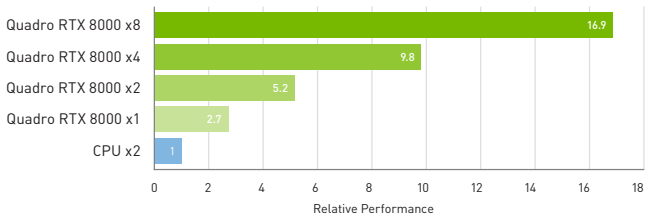
Quadro RTX Accelerates Autodesk VRED

Autodesk VRED taps into the power of **NVIDIA® Quadro RTX™** GPUs to deliver stunning real-time ray tracing, 3D visualization, and virtual prototyping for automotive designers. With up to 16.9X faster performance over a CPU-based alternative, VRED with RTX support provides incredible improvements for your rendering workloads, including:

- The ability to view VRED scenes on large 4K powerwalls without compromising image quality or frame rate with RTX Server
- Support for high-performance virtual reality workflows with variable rate shading
- Interactive OpenGL for viewport visualization
- Graphics application virtualization with NVIDIA Quadro® Virtual Data Center Workstation (Quadro vDWS) software
- RTX Server's ability to replace as many as 24 128-core CPU nodes, dramatically decreasing the server footprint, noise, power consumption, and cost

Benchmark: AUTODESK VRED GPUs

Rendering performance increase on Quadro RTX GPUs



CPU Tests run on two Xeon Gold 6254 @3.1GHz CPUs, 256 GB DDR4 RAM. Win10x64. Driver version 442.35. Performance results may vary depending on the scene. | Quadro RTX 8000 active cooled

Rendering and Design Solutions for Autodesk VRED

NVIDIA Quadro provides a wide range of RTX-enabled solutions for desktop, mobile, server-based rendering, and virtual workstations with **Quadro vDWS** software[2]. With up to 96 gigabytes (GB) of GPU memory available[3], Quadro provides the power you need for your largest professional graphics and rendering workloads.

"Real-time ray tracing has a huge impact on design visualization, which is why Autodesk is making our industry-leading VRED 3D visualization software even more powerful by embracing NVIDIA Quadro RTX GPUs in the latest release."

– **Thomas Heermann, Associate Vice President, Automotive + Conceptual Design at Autodesk**

NVIDIA professional graphics solutions are certified and recommended by Autodesk. Close collaboration between Autodesk and NVIDIA during product development guarantees the stability and reliability you expect from day one.

Learn more about Quadro RTX solutions at **www.nvidia.com/quadro**

Learn more about Autodesk VRED at **www.autodesk.com/products/vred/overview**

[1] Tests run on two Xeon Gold 6254 @ 3.1 GHz CPUs, 256 GB DDR4 RAM. Win10x64. Driver version 441.28. Running VRED 2020.3 Tech Preview. Performance results may vary depending on the scene.

[2] Quadro vDWS software is supported with NVIDIA Quadro RTX 6000 and 8000 GPUs.

[3] Two Quadro RTX 8000 GPUs connected with NVIDIA NVLink® provide a combined 96 GB of total GPU memory. NVLink sold separately.

AUTODESK® VRED™