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 nearly 17X faster performance over a CPU-based alternative, VRED with RTX support provides incredible improvements for your rendering workloads, including:

> Uncompromised image quality and frame rate when viewing VRED scenes on 4K powerwalls with RTX Server
> Support for high-performance virtual reality workflows with variable rate shading
> Interactive OpenGL for viewport visualization
> Graphics virtualization with NVIDIA Quadro® Virtual Data Center Workstation (Quadro vDWS) software
> Decreased server footprint, noise, power consumption, and cost with RTX Server’s ability to replace up to 17 128-core CPU nodes

“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

Benchmark: AUTODESK VRED GPUs

Rendering performance increase on Quadro RTX GPUs

![Chart showing performance increase on Quadro RTX GPUs](chart.png)


Learn more about Autodesk VRED at [www.autodesk.com/products/vred/overview](https://www.autodesk.com/products/vred/overview)

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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.

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