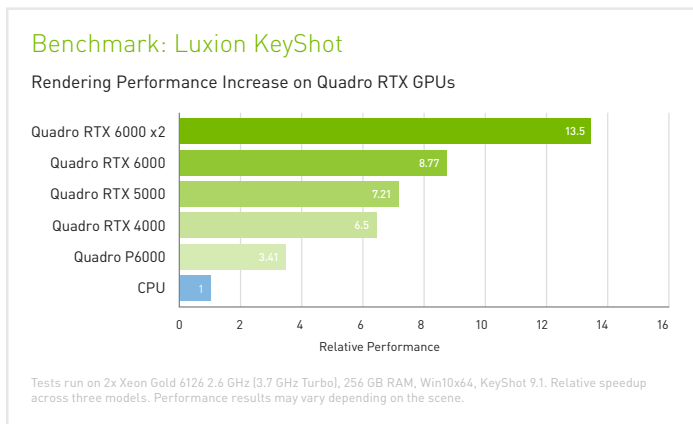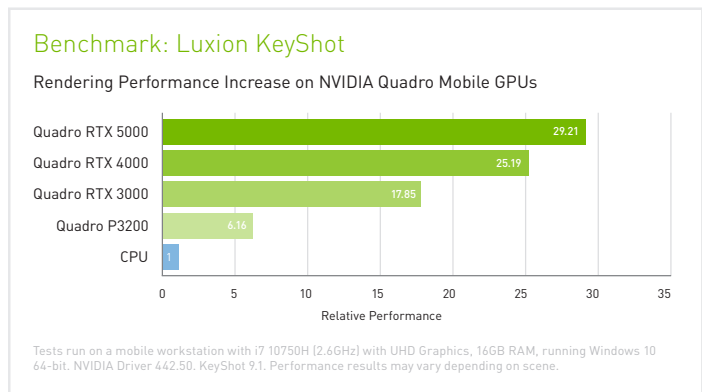# NVIDIA QUADRO RTX
LUXION KEYSHOT

Image courtesy of Luxion. Model: Stanley Black & Decker, Inc.

Quadro RTX Accelerates KeyShot

KeyShot® taps into the power of **NVIDIA® Quadro RTX™** to accelerate production and interactive rendering. With up to 13X faster rendering performance than CPU-based solutions on desktop and up to 29X faster on mobile workstations[1], RTX support provides incredible GPU-accelerated performance improvements for your rendering workloads, including:

> Real-time RTX ray tracing and NVIDIA® OptiX™ AI-accelerated denoising

> Real-time interactive rendering and faster batch and final-frame rendering

> Seamless switching from CPU to GPU rendering

Benchmark: Luxion KeyShot

Rendering Performance Increase on NVIDIA Quadro Mobile GPUs

GPU	Relative Performance
Quadro RTX 5000	29.21
Quadro RTX 4000	25.19
Quadro RTX 3000	17.85
Quadro P3200	6.16
CPU	1

Tests run on a mobile workstation with i7 10750H (2.6GHz) with UHD Graphics, 16GB RAM, running Windows 10 64-bit. NVIDIA Driver 442.50. KeyShot 9.1. Performance results may vary depending on scene.

Benchmark: Luxion KeyShot

Rendering Performance Increase on Quadro RTX GPUs

GPU	Relative Performance
Quadro RTX 6000 x2	13.5
Quadro RTX 6000	8.77
Quadro RTX 5000	7.21
Quadro RTX 4000	6.5
Quadro P6000	3.41
CPU	1

Tests run on 2x Xeon Gold 6126 2.6 GHz (3.7 GHz Turbo), 256 GB RAM, Win10x64, KeyShot 9.1. Relative speedup across three models. Performance results may vary depending on the scene.

Rendering Solutions for KeyShot

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

"Luxion has evaluated GPU rendering for several years. With NVIDIA's RTX technology, GPU-accelerated hardware ray tracing and AI denoising, gigaray performance, NVIDIA Quadro GPUs with over 8GB of memory, and the free OptiX SDK, now is the time to do it."

– Henrik Wann Jensen, Co-founder and Chief Scientist, Luxion

NVIDIA Quadro professional graphics solutions are recommended by Luxion KeyShot for the best rendering results.

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

Learn more about Luxion KeyShot at **www.keyshot.com**

[1] Desktop and mobile rendering results are not directly comparable due to variance in system and CPU.

[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.

KeyShot®
by Luxion