NVIDIA RTX SERVER
FOR SCALABLE VISUALIZATION SOLUTIONS

Image courtesy of Audi

Drive Dynamic Visual Display Systems at Scale

From theme park attractions and immersive theaters to 3D visualizations like CAVE virtual environments there are no limits to the size or resolution of displays today. But while visual displays get larger and more expansive, blending multiple high-resolution panels or projectors into one seamless display experience requires increasing graphics and compute power.

NVIDIA RTX™ Server makes it easy to deploy and manage even the largest display environments. Built on Quadro RTX™ 6000 and RTX 8000 GPUs, RTX Server is a highly flexible reference design delivered by OEM partners that can be configured with NVIDIA display technology like Quadro® Sync and Mosaic, as well as leading third-party software, to drive scalable visualization systems.

SCALABLE GRAPHICS AND COMPUTE POWER

Connect multiple Quadro RTX 6000 and RTX 8000 GPUs with NVIDIA® NVLink™ technology for scaled render nodes that can run massive display environments.

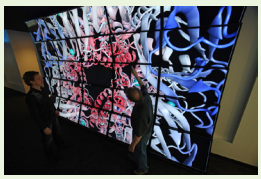
- Leverage the high-speed GPU interconnect for faster multi-GPU system configurations.
- Get up to 96 gigabytes (GB) of GPU memory and increased performance by connecting two RTX 8000 GPUs with NVLink.
- Up to 672 GB per second of memory bandwidth handles demanding interactive display environments.

VIDEO WALL SYNCHRONIZATION

Create perfectly synchronized displays or projectors by connecting Quadro Sync boards to up to 8 Quadro RTX GPUs.

- Keep multi-projector systems and video walls free of imaging artifacts without compromising performance.
- Synchronize inputs for multi-input display devices up to 8K HDR.
- Maintain stereoscopic 3D displaying across multiple systems.

SEAMLESS MULTI-DISPLAY EXPERIENCE



View up to 32 high-resolution panels as a single, unified desktop environment without sacrificing performance or power with NVIDIA Mosaic.

- Accommodate gaps between monitor bezels for fully aligned images with Mosaic bezel correction.
- Maintain aspect ratios across panels or projectors with overlap correction.
- Correct image geometry and adjust intensity across multiple display outputs with warp and blend technology.

To learn more about NVIDIA RTX Server and availability, visit **www.pny.com/rtxserver**

PNY PRO | NVIDIA QUADRO AUTHORIZED PARTNER PNY