

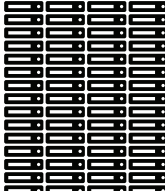


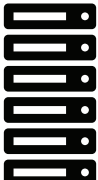





NVIDIA QUADRO RTX GPUs REIMAGINE THE DATA CENTER

Support the most demanding workloads with NVIDIA® Quadro® RTX™ powered servers. For cinematic production rendering, going directly from CAD files to photorealistic renders, utilizing generative design, powering AI or big data analytics, or providing GPU virtualization, servers with NVIDIA Quadro RTX deliver unprecedented performance at a fraction of the cost, space, and power requirements of traditional CPU-based systems.

IDEAL FOR AI AND BIG DATA ANALYTICS

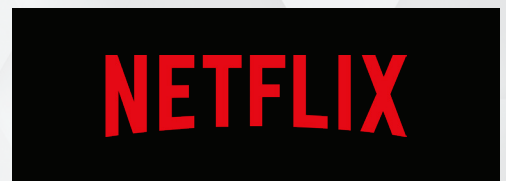
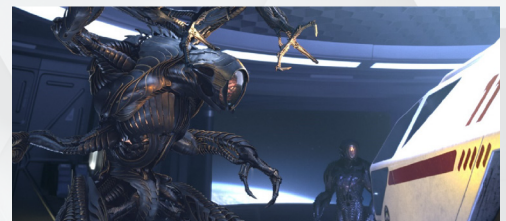
Deep Learning is a subfield of machine learning, also known as AI, concerned with algorithms inspired by the structure and function of the brain called artificial neural networks, generally referred to as Deep Neural Networks (DNNs). NVIDIA GPU acceleration of DNNs bring the compute performance and data capacity to quickly and efficiently train large DNNs for a variety of tasks.

SERVICES WITH NVIDIA QUADRO RTX EXPONENTIAL POWER AT A FRACTION OF THE COST

Rendering	Artificial Intelligence	Simulation
 <p>60x Dual 12-Core Skylake Servers</p>  <p>1x Eight GPU RTX Server</p> 	 <p>6x Dual 18-Core Skylake Servers</p>  <p>1x Single GPU RTX Server</p> 	 <p>8x Dual 18-Core Skylake Servers</p>  <p>1x Single GPU RTX Server</p> 
RTX Server Solution 1/4th the Cost	RTX Server Solution 1/5th the Cost	RTX Server Solution 1/7th the Cost

25X ACCELERATED RENDERING FOR NETFLIX RENDERS IN A FRACTION OF THE TIME USING A SERVER WITH NVIDIA QUADRO RTX¹

	CPU Node (Dual Skylake)	NVIDIA RTX Server (4x RTX 8000)	Performance Improvement
Single Frame Render Time	38 Minutes	6 Minutes	6x
Total Render Time (120 frames)	76 Hours	3 Hours	25x
Number of Render Nodes	25	1	25x
Power Requirement (kW)	13.2	1.9	7x
Acquisition Cost	\$188,000	\$25,000	7x
5 Year Cost of Power	\$68,000	\$10,000	7x
Total Cost	\$256,000	\$38,000	7x
6x Faster for a Single Frame			
25x Faster for the Entire Shot			



¹Render courtesy of Image Engine | Copyright Netflix | NVIDIA RTX Server was not used in actual Lost in Space production

For more information, contact a PNY account manager at 1-888-333-3657 or email: GOPNY@PNY.COM

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