



**REAL-TIME MEANS
REAL CHANGE**



**NVIDIA QUADRO
AUTHORIZED PARTNER**



RTX. IT'S ON.

Equipped with the world's most powerful Turing™ GPUs, large memory capacities, stable drivers, ISV certifications, 8K display outputs, advanced features to drive real-time photorealistic rendering and AI-augmented workflows, Quadro is built to accelerate a range of professional workflows.

NEW TURING STREAMING PROCESSOR

The Turing architecture dramatically improves rasterization performance over the previous Pascal generation with an enhanced graphics pipeline and new programmable shading technologies. These technologies include variable-rate shading, texture-space shading, and multi-view rendering, which provide for more fluid interactivity with large models and scenes and improved VR experiences.

RT CORES FOR REAL-TIME RAY TRACING

The Turing architecture is armed with dedicated ray tracing processors called RT Cores that accelerate the computation of how light and sound travel in 3D environments at up to 10 Giga Rays per second. Turing accelerates real-time ray tracing by 25x over the previous Pascal generation, and can be used for final frame rendering for film effects at more than 30x the speed of CPUs.

TENSOR CORES FOR AI

Turing features new Tensor Cores that accelerate deep learning training and inferencing, providing up to 500 trillion Tensor operations per second. This level of performance dramatically accelerates AI-enhanced features - such as denoising, resolution scaling and video re-timing - creating applications with powerful new capabilities.

GPU	PART NUMBER	MEMORY	MEMORY W/ NVLink	RAY TRACING	CUDA CORES	RT CORES	TENSOR CORES
Quadro RTX 8000	VCQRTX8000-PB	48GB GDDR6 ECC	96GB GDDR6 ECC	10 GigaRays/sec	4,608	72	576
Quadro RTX 6000	VCQRTX6000-PB	24GB GDDR6 ECC	48GB GDDR6 ECC	10 GigaRays/sec	4,608	72	576
Quadro RTX 5000	VCQRTX5000-PB	16GB GDDR6 ECC	32GB GDDR6 ECC	8 GigaRays/sec	3,072	48	384
Quadro RTX 4000	VCQRTX4000-PB	8GB GDDR6	N/A	6 GigaRays/sec	2,304	36	288

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REAL-TIME MEANS
REAL CHANGE



RTX. IT'S ON.

The revolutionary NVIDIA Turing™ architecture, fuses together real-time ray tracing, artificial intelligence, and brand new programmable shaders to give you a whole new way to experience games.

PERFECT FOR GAMERS & STREAMERS

ENCODE

HEVC 8K HDR in Real-Time
HEVC up to 25% Bitrate Savings
H.264 up to 15% Bitrate Savings

DECODE

VP9 10/12 HDR
HEVC 444 10/12b HDR

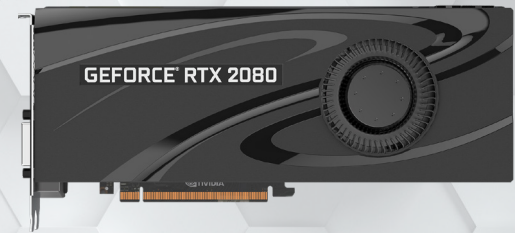
PNY GEFORCE XLR8 SERIES

The XLR8 series is designed for gamers that are looking for factory overclocked specifications with a high performance cooling solution.



PNY GEFORCE BLOWER SERIES

The Blower series is designed for gamers that are utilizing small form factor cases (SFF) or looking to put multiple-GPUs side by side.



GPU	PART NUMBER	MEMORY	REPLACING	RAY TRACING	CUDA CORES	RT CORES	TENSOR CORES
GeForce RTX 2080 Ti OC	VCG2080T11TFMPB-O	11 GB	GTX 1080 Ti	10 GigaRays/sec	4,352	68	544
GeForce RTX 2080 Ti	VCG2080T11BLMPB	11 GB	GTX 1080 Ti	10 GigaRays/sec	4,352	68	544
GeForce RTX 2080 OC	VCG20808DFPPB-O	8 GB	GTX 1080	8 GigaRays/sec	2,944	46	368
GeForce RTX 2080	VCG20808BLMPB	8 GB	GTX 1080	8 GigaRays/sec	2,944	46	368
GeForce RTX 2070 OC	VCG20708DFPPB-O	8 GB	GTX 1070 Ti	6 GigaRays/sec	2,304	36	288
GeForce RTX 2070	VCG20708BLMPB	8 GB	GTX 1070 Ti	6 GigaRays/sec	2,304	36	288
GeForce RTX 2060 OC	VCG20606DFPPB-O	6 GB	GTX 1060	5 GigaRays/sec	1,920	30	240
GeForce RTX 2060	VCG20606BLMPB	6 GB	GTX 1060	5 GigaRays/sec	1,920	30	240