AS REAL AS IT GETS

NVIDIA® QUADRO® VR

CREATE IT.

NVIDIA VRWORKS

VRWorks™ is a comprehensive suite of APIs, libraries, and engines that application and headset developers use to create amazing virtual reality experiences.

VRWorks enables a new level of presence by bringing physically realistic visuals, sound, touch interactions, and simulated environments to virtual reality.

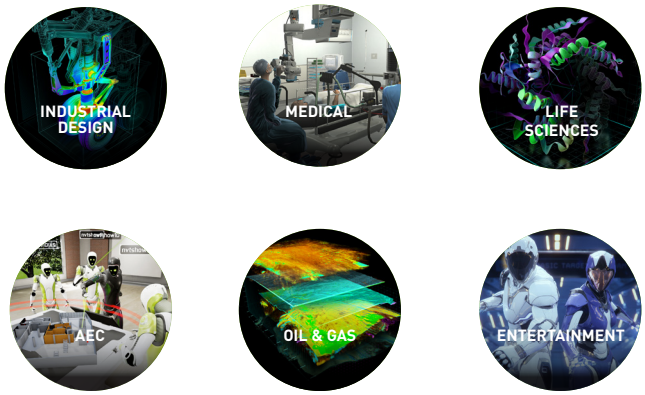
1	GRAPHICS	Variable Rate Shading, Multi-Res Shading, Lens-Matched Shading, Multi-View Rendering, Single Pass Stereo, and VR Scalable Link Interface (VR SLI)
2	HEADSET	Context Priority, Direct Mode, Front Buffer Rendering, Wide FOV, VirtualLink
3	AUDIO	VRWorks Audio, OptiX™, Physically-Based Audio
4	TOUCH & PHYSICS	NVIDIA® PhysX®
5	MULTI DISPLAY	Warp & Blend, Mosaic, GPU Synchronization
6	PRO VIDEO	GPUDirect™ for Video

LIVE IT.

NVIDIA VRREADY

Virtual reality creation and consumption requires the highest-performance graphics processing to deliver the smoothest, most immersive, and life-like VR experiences.

Only NVIDIA VR Ready designated Quadro graphics have the level of performance and capability essential for the best VR experiences across professional applications.



SCALABLE PERFORMANCE	Blazing fast single and multi-GPU performance for high-resolution, jitter-free VR
MASSIVE MEMORY	Larger memory capacity for VR assets than consumer graphics solutions
PHOTOREALISM	NVIDIA RTX technology for interactive photorealistic visualization in VR
APPLICATION CERTIFICATION	Certified with hundreds of professional applications to enable accelerated workflows
RELIABILITY	Designed, built, and tested by NVIDIA for 24/7 usage in the enterprise
GLOBAL SUPPORT	Deep industry solutions expertise and enterprise level technical support

NVIDIA QUADRO ADVANTAGE

NVIDIA® QUADRO® VR READY SOLUTIONS

FOR DESKTOP WORKSTATIONS

TURING ARCHITECTURE

QUADRO RTX 8000	
CUDA Parallel-Processing Cores	4608
NVIDIA RT Cores	72
GPU Memory	48 GB GDDR6
Max Power Consumption	
Total board power	295 W
Total graphics power	260 W

QUADRO RTX 6000	
CUDA Parallel-Processing Cores	4608
NVIDIA RT Cores	72
GPU Memory	24 GB GDDR6
Max Power Consumption	
Total board power	295 W
Total graphics power	260 W

QUADRO RTX 5000	
CUDA Parallel-Processing Cores	3072
NVIDIA RT Cores	48
GPU Memory	16 GB GDDR6
Max Power Consumption	
Total board power	265 W
Total graphics power	230 W

QUADRO RTX 4000	
CUDA Parallel-Processing Cores	2304
NVIDIA RT Cores	36
GPU Memory	8 GB GDDR6
Max Power Consumption	
Total board power	160 W
Total graphics power	125 W

VOLTA ARCHITECTURE

QUADRO GV100	
CUDA Parallel-Processing Cores	5120
GPU Memory	32 GB HBM2
Max Power Consumption	250 W

With SLI over NVLink, Turing- and Volta-based GPUs can scale VR performance for the largest, most demanding VR environments.

PASCAL ARCHITECTURE

QUADRO GP100	
CUDA Parallel-Processing Cores	3584
GPU Memory	16 GB HBM2
Max Power Consumption	235 W

QUADRO P6000	
CUDA Parallel-Processing Cores	3840
GPU Memory	24 GB GDDR5X
Max Power Consumption	250 W

QUADRO P5000	
CUDA Parallel-Processing Cores	2560
GPU Memory	16 GB GDDR5X
Max Power Consumption	180 W

QUADRO P4000	
CUDA Parallel-Processing Cores	1792
GPU Memory	8 GB GDDR5
Max Power Consumption	105 W

With SLI connectors, Pascal-based GPUs can scale VR performance for more demanding VR environments. GP100 cards support NVLink for SLI.

FOR MOBILE WORKSTATIONS

	QUADRO RTX 5000	QUADRO RTX 4000	QUADRO RTX 3000
CUDA Parallel-Processing Cores	3072	2560	2304
RT Cores	48	40	36
GPU Memory	16 GB GDDR6	8 GB GDDR6	6 GB GDDR6

NVIDIA VRREADY

VR READY PARTNERS

Workstations with NVIDIA VR Ready Quadro graphics are available from our global partners, including:

BOXX DELL FUJITSU hp Lenovo msi PNY MVE COMPUTER SUPERMICRO

For more information on NVIDIA VR Ready solutions, visit **www.nvidia.com/quadroVR**

NVIDIA