

UNMATCHED POWER. UNMATCHED CREATIVE FREEDOM. NVIDIA® QUADRO® P2000

The Perfect Balance of Superb Performance, Compelling Features, and Compact Form Factor.

The Quadro P2000 is the perfect balance of performance, compelling features, and compact form factor delivering incredible creative experience and productivity across a variety of professional 3D applications. It features a Pascal GPU with 1024 CUDA cores, large 5 GB GDDR5 on-board memory, and the power to drive up to four 5K (5120x2880 @ 60Hz) displays natively. This makes it an excellent choice for accelerating product development and content creation workflows that demand fluid interactivity with large, complex 3D models and scenes.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists. This gives you the peace of mind to focus on doing your best work. Whether you're developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

FEATURES

- Four DisplayPort 1.4 Connectors¹
- DisplayPort with Audio
- NVIDIA nView™ Desktop Management Software
- HDCP 2.2 Support
- NVIDIA Mosaic²
- Dedicated hardware video encode and decode engines³



SPECIFICATIONS

GPU Memory	5 GB GDDR5
Memory Interface	160-bit
Memory Bandwidth	Up to 140 GB/s
NVIDIA CUDA® Cores	1024
System Interface	PCI Express 3.0 x16
Max Power Consumption	75 W
Thermal Solution	Active
Form Factor	4.4" H x 7.9" L, Single Slot
Display Connectors	4x DP 1.4
Max Simultaneous Displays	4 direct, 4 DP 1.4 Multi-Stream
Display Resolution	4x 4096x2160 @ 120Hz 4x 5120x2880 @ 60Hz
Graphics APIs	Shader Model 5.1, OpenGL 4.5⁴, DirectX 12.0⁵, Vulkan 1.0⁶
Compute APIs	CUDA, DirectCompute, OpenCL™

To learn more about the NVIDIA Quadro P2000 visit www.nvidia.com/quadro

¹ VGA/DVI/HDMI support via adapter/connector | ² Windows 7, 8, 8.1, 10 | ³ Please refer to <http://developer.nvidia.com/video-encode-decode-gpu-support-matrix> for details on NVIDIA GPU video encode and decode support | ⁴ Product is based on a published Khronos Specification and is expected to pass the Khronos Conformance Testing Process when available. Current conformance status can be found at www.khronos.org/conformance | ⁵ GPU supports DX 12 API Hardware Feature Level 12_1

© 2018 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, Quadro, nView, CUDA, NVIDIA Pascal, and 3D Vision are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. OpenCL is a trademark of Apple Inc. used under license to the Khronos Group Inc. All other trademarks and copyrights are the property of their respective owners.