

UNMATCHED POWER. UNMATCHED CREATIVE FREEDOM.

NVIDIA QUADRO P2000—THE PERFORMANCE REQUIRED BY DEMANDING VISUAL COMPUTING WORKFLOWS.

The new 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 5GB GDDR5 on-board memory, and the power to drive up to four 5K (5120 x 2880 at 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.

Designs are becoming more complex over time, growing in size and detail. Professional applications are increasing in features and sophistication, enabling users to create more realistic models, adding textures, lighting, and atmospheric effects, allowing customers to evaluate designs more thoroughly before creating costly prototypes, to speed time to decision and time to market.

The new Quadro P2000 combines the latest GPU architecture and display technologies to deliver the performance and capabilities required by today's demanding professional applications. Powered by the NVIDIA Pascal GPU architecture, the P2000 provides an expansive visual workspace, driving up to four 5K displays so that professionals can view their designs in stunning detail.

SPECIFICATIONS AND SOLUTIONS

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Optimised for Exacta Proline Workstations NVIDIA Quadro P2000

CUDA Cores	1024
Peak Single Precision FP32	3.0 TFLOPS
Performance GPU Memory	5 GB GDDR5
Memory Interface	160-bit
Memory Bandwidth	140 GB/s
System Interface	PCI Express 3.0 x16
Maximum Power Consumption	75 W
Quadro Power Guidelines	Yes
Energy Star Enabling	Ultra-quiet active fansink
Thermal Solution	4.40" H x 7.90" L, Single Slot
Form Factor	DP 1.4 (4)
Display Connectors	Yes
DisplayPort with Audio	Via included adapter
DVI-D Single-Link Connector	Via optional adapters
HDMI Support	Via optional adapters
VGA Support	4
Number of Displays Supported	HDR 5120 x 2880 at 60Hz (30-bit color)
Maximum DP 1.4 Resolution	HDR 5120 x 2880 at 60Hz (30-bit color)
5K Display Support	HDR 4096 x 2160 at 60Hz or 3840 x 2160 at
4K Display Support	60Hz 2560 x 1600 at 60Hz via 3rd party
Maximum DVI-D DL Resolution	adapter
Maximum DVI-D SL Resolution	1920 x 1200 at 60Hz via included adapter
Quadro and NVS Display Resolution	
Support HDCP Support	Yes
Graphics APIs	Shader Model 5.1, OpenGL 4.5, DirectX 12.0,
Compute APIs	Vulkan 1.0 CUDA, DirectCompute, OpenCL
NVIEW	Yes
NVIDIA MOSAIC	Yes (Windows 10, 8.1, 8, 7, and Linux)
Warranty	3 Year Limited Warranty

