DxO™ PHOTOLAB

AI. Amplified.

New to DxO PhotoLab

DxO PhotoLab is a standalone application for efficient image correction and editing. The award-winning technology is founded on AI and developed using deep learning. With almost 20 years of photographic equipment expertise, DxO has built a deep understanding of distortion, vignetting, chromatic aberration and digital noise in RAW images. DxO PhotoLab has a number of powerful tools and workflows including an advanced editing history, smart workspaces, powerful batch workflows and more, allowing professional photographers to push the boundaries of their equipment, helping to improve photographs.

Based on complex algorithms, DxO PhotoLab desktop software is available for both Windows® and Mac® based systems.

dxo.com

> DxO PhotoLab features DxO DeepPRIME, the advanced AI alogrithm, leveraging a modern GPU with masses of dedicated memory and an advanced architecture. Like those from AMD.
>
> **Jean-Marc Alexia,**
> VP, Marketing & ProductStrategy, DxO Labs.

Don't Waste a Minute

State-of-the-art AI operations are, computationally expensive and require high performing hardware to run. As a result DeepPRIME within DxO PhotoLab is "heavily optimized for GPU acceleration[1]"and without a compatible modern GPU "processing time will increase significantly.[1]" Importantly output quality will be the same though. This is where the benefits of using the correct modern GPU hardware for the demanding tasks start to really show. While the exceptional quality will remain the same, the waiting will be significantly reduced. Don't waste a minute, especially when that deadline is looming.

Correct Sensor Flaws Faster

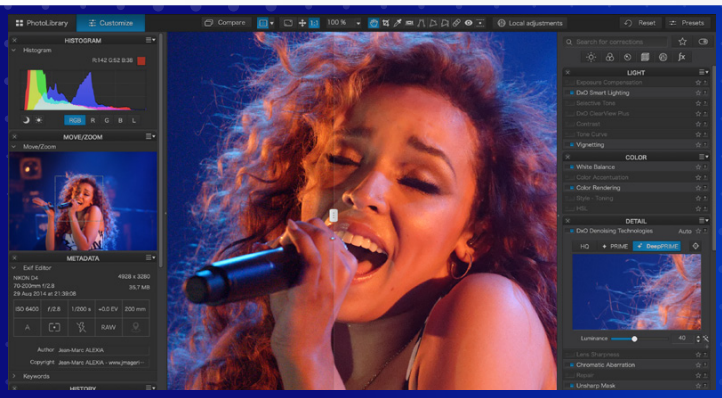
PhotoLab software has a number of tools intended to deliver exceptional image quality combined with unparalleled productivity. Denoising (digital noise correction) and Demosaicing (the process of recreating colors from pixels) are traditionally performed separately, however using GPU acceleration and DeepPRIME within PhotoLAB allows users to create stunning professional results using these two processes in parallel, and faster than ever before.

This is especially true for low-light condition photos where this one step approach results in exceptional performance, powered by a modern, high-end GPU.

Reducing RAW Image Noise

Reducing image noise has long been a challenge for professional photographers and image editors. DxO gives spectacular results by combining this process with AI advancements, using a highly sophisticated raw conversion algorithm.

Packed with features DxO PhotoLab allows professionals to reduce noise, but without reducing important details in image color. Using deep learning and AI, tasks such as denoising take advantage of significant advancements in modern GPU hardware architectures, such as the one found in the AMD Radeon™ PRO W6000 series, which efficiently handle these compute heavy workloads.



PhotoLab 4 DeepPRIME Image Courtesy of DxO. Photo © Jean-Marc Alexia

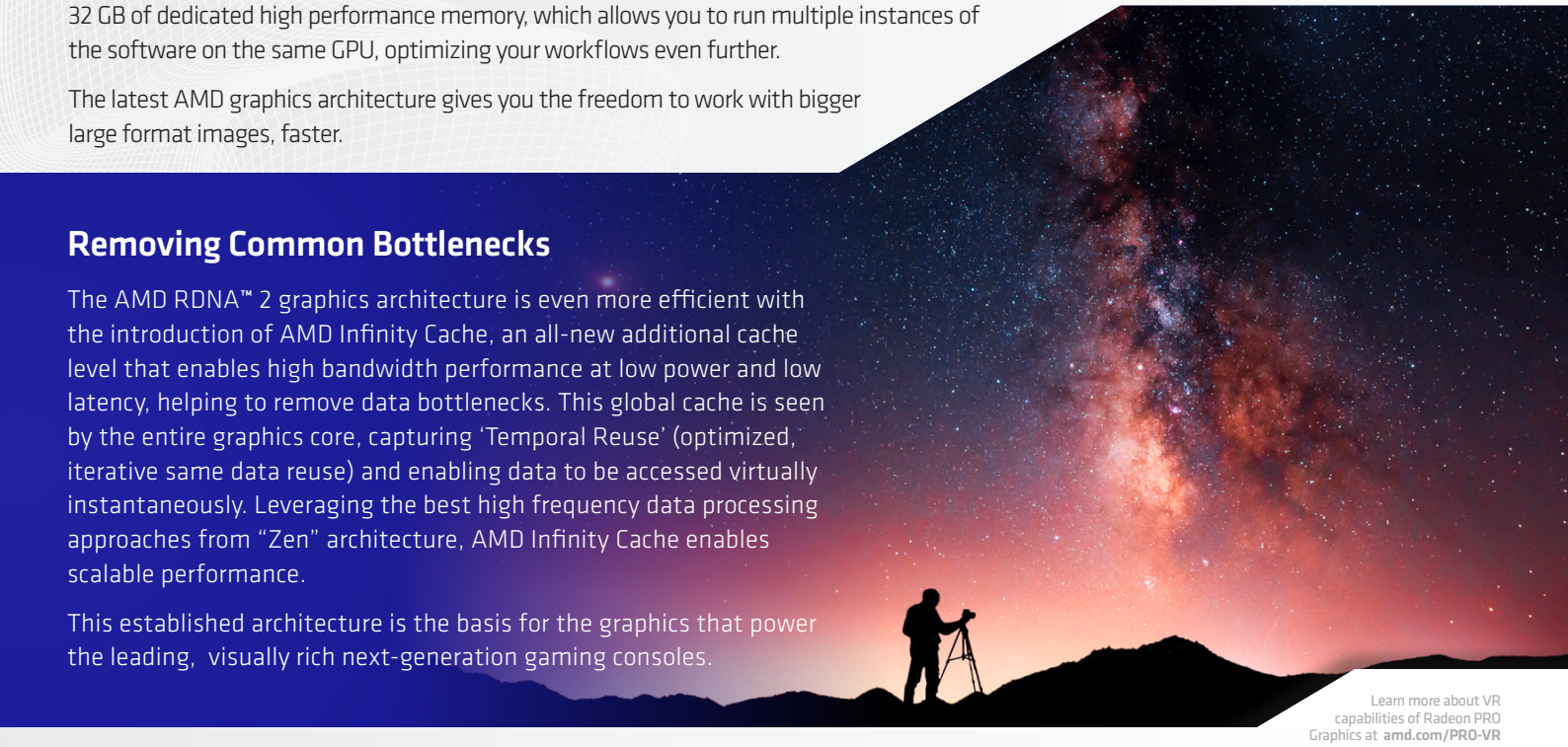
AMD RADEON PRO

Professional Graphics for Exceptional Performance with Reliability, Stability and Software Certifications at its Core.

Multitask Like a Master

With a modern GPU accelerating DxO PhotoLab worklflows, your final masterpiece will be ready in no time. The latest large workflow Radeon PRO W6800 from AMD has a gigantic 32 GB of dedicated high performance memory, which allows you to run multiple instances of the software on the same GPU, optimizing your workflows even further.

The latest AMD graphics architecture gives you the freedom to work with bigger large format images, faster.



Removing Common Bottlenecks

The AMD RDNA™ 2 graphics architecture is even more efficient with the introduction of AMD Infinity Cache, an all-new additional cache level that enables high bandwidth performance at low power and low latency, helping to remove data bottlenecks. This global cache is seen by the entire graphics core, capturing 'Temporal Reuse' (optimized, iterative same data reuse) and enabling data to be accessed virtually instantaneously. Leveraging the best high frequency data processing approaches from "Zen" architecture, AMD Infinity Cache enables scalable performance.

This established architecture is the basis for the graphics that power the leading, visually rich next-generation gaming consoles.

Learn more about VR capabilities of Radeon PRO Graphics at **amd.com/PRO-VR**

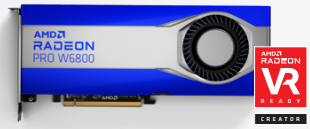
Light to Medium Workloads

RADEON PRO **W6600** GRAPHICS

LATEST AMD RDNA 2 GPU FOR COMPLEX TASKS
8 GB of High Performance GDDR6 Memory.
Four Display Outputs. 8K, HDR Support.
Remote Environment[2] Ready.
Available for Mobile Systems.

amd.com/RadeonPROW6600

Heavy to Extreme Workloads

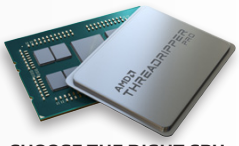


RADEON PRO **W6800** GRAPHICS

THE GPU TO CRUSH AI AND VIDEO INTENSE IMAGE EDITING PROJECTS
Gigantic 32 GB of GDDR6 Memory.
Error Correction Code (ECC) Support.
Six Display Outputs. 8K, HDR Support.
Remote Environment[2] Ready.

amd.com/RadeonPROW6800

Additional Power



RYZEN™ THREADRIPPER™ PRO PROCESSORS

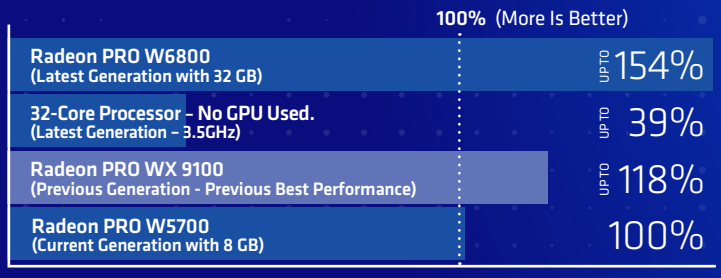
CHOOSE THE RIGHT CPU
Addresses Common Workflow Bottlenecks.
Offers Leadership Performance.
Support for up to 2TB of Memory.

amd.com/Workstation

Built on Experience

Engineered from the ground up, the award-winning AMD RDNA™ 2 graphics architecture found within the latest Radeon PRO W6000 graphics family introduces significant GPU advancements in the form of an enhanced Compute Unit, new visual pipeline, and all new AMD Infinity Cache. Combined, these advanced AMD technologies help remove common GPU and system bottlenecks. These significant progressions support higher software resolutions, incorporating superior performance and power efficiency. The established AMD RDNA 2 architecture helps deliver the enhanced, but affordable, performance you can see within the opposite bar chart.

Relative GPU Acceleration in PhotoLAB DeepPRIME[3]



To learn more about AMD professional graphics visit: **amd.com/RadeonPRO**

[1] DxO Recommendation Source https://support.dxo.com/hc/en-us/articles/360050525632-DeepPRIME-hardware-acceleration
[2] Learn more at www.amd.com/en/technologies/remote-workstation
[3] Testing as of April 15, 2021 by AMD Performance Labs on a test system comprised of an AMD Threadripper PRO 3975WX, with AMD Radeon™ PRO W5700 / AMD Radeon™ PRO WX9100 / AMD Radeon™ PRO W6600 pre-production sample / AMD Radeon™ PRO W6800 pre-production sample / No GPU (CPU only). Benchmark Application: DxO DeepPRIME. Performance may vary based on factors including driver version and system configuration. RPW-373

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