Nuke®, Hiero and HieroPlayer support all major operating systems and have low hardware system requirements.

Linux 15.0 - Qualified Operating Systems

• Rocky 9.0 (64-bit)

Note: The currently supported version of VFX Reference Platform includes library versions that are only compatible with Rocky 9.0.

Linux 14.1 - Qualified Operating Systems

CentOS 7.6 to 7.9 (64-bit)

Note: The currently supported version of VFX Reference Platform includes library versions that are only compatible with CentOS 7.6 to 7.9.

MacOS - Qualified Operating Systems

• macOS Monterey (12.x)
• macOS Ventura (13.x).

Note: Nuke 15.0 includes native support for Apple's Silicon hardware on M1 and M2 chips. Other OS versions may work, but have not been tested or qualified on.

Note: Nuke 14.1 is supported under Rosetta emulation on Apple's silicon hardware and M1 and M2 chips. Native support is available in Nuke 15.0 on Apple's M1 and M2 hardware. Other OS versions may work, but have not been tested or qualified on.

Windows - Qualified Operating Systems

• Windows 10 (64-bit) or Windows 11 (64-bit)

Other OS versions may work, but have not been tested or qualified on.

Minimum hardware requirements

- Processor - x86-64 processor, such as Intel Core 2 Duo or later
- Storage - 5.70 GB disk space available for caching and temporary files
- Ram - At least 8 GB RAM
- Display - At least 1280 x 1024 pixel resolution and 24-bit color
- Video card - Graphics card with at least 512 MB of video memory and driver support for OpenGL 2.0.*

*To enable optional GPU acceleration of Viewer processing, you need OpenGL 2.0 with support for floating point textures and GLSL.

Requirements for GPU Acceleration - Windows and Linux

If you want to enable Nuke to calculate certain nodes using the GPU, there are some additional requirements. See the Release notes for full details of requirements for GPU acceleration.

NVIDIA

An NVIDIA GPU with graphics drivers capable of running CUDA 11.8, or above. These are bundled with the regular drivers for your NVIDIA GPU. Driver versions 522.06 (Windows) and 520.61.05 (Linux), or above are required.

NOTE: We recommend using the latest graphics drivers, where possible.

AMD

The following GPUs with an appropriate driver are supported. See the release notes for details on support available in specific versions of Nuke.

• AMD Radeon PRO W7900
• AMD Radeon PRO W6600
• AMD Radeon PRO W6800
• AMD Radeon Pro W5700
• AMD Radeon RX 6800 XT

NOTE: Other AMD GPUs may work, but have not been fully tested.

Requirements for GPU Acceleration – MacOS

See the Release notes for full details of requirements for GPU acceleration.

Mac GPUs

- Apple silicon integrated GPUs are supported as are AMD GPUs on the following Intel CPU Macs.
- Any late 2013 Mac Pro onward (including 2019 Mac Pro),
- Mid-2015 MacBook Pros onward, and
- Late 2017 iMac Pros onward.
- All supported Mac Pros will include a multi-GPU support option, where applicable. When enabled in the preferences, GPU processing is shared between the available GPUs for extra processing speed. Bitwise equality between GPU and CPU holds in most cases, but for some operations, there are limitations to the accuracy possible with this configuration.

Add-on GPUs

AMD cards in eGPU set-ups for macOS 10.13.5 and later. The Sonnet eGFX Breakaway box and BlackMagic eGPU have both also been tested with Nuke.

GPU requirements for the Machine Learning Toolset

Training using the CopyCat node requires an NVIDIA GPU, with compute capability 3.5 or above; on MacOS Apple silicon integrated GPUs are also supported.

If an appropriate GPU is not available, Inference and other machine learning plug-ins can run on the CPU with significantly degraded performance.

Tested Workstation hardware

The following system configurations running CentOS 7 and Windows 10 have been tested with Nuke15.0v1 and Nuke 14.1v1.

System	Dell Precision 7820 Workstation
Processor(s)	2 x Intel Xeon Gold 6234 3.2 GHz, 3.7 GHz Turbo, 8C, 10.4GT/s 3UPI, 24.75M Cache, HT (130W) DDR4-2666
Storage	1 TB M.2 PCIE NVMe SSD
RAM	96 B (4x16 GB) 2666 MHz DDR4 RDIMM ECC
GPU	NVIDIA Quadro RTX 4000 8 GB

System	Lenovo ThinkStation P620 Workstation
Processor(s)	AMD Ryzen Threadripper PRO 3975WX 3.5 GHz 32-core
Storage	1 TB M.2 PCIE NVMe SSD
RAM	64 GB DDR4 3200 MHz RDIMM ECC (4 x 16 GB)
GPU	NVIDIA Quadro RTX 5000 8 GB

System	HP Z4 Workstation
Processor(s)	Intel Xeon W-2295 CPU
Storage	1 TB PCIE NVME SSD
RAM	64 GB RAM
GPU	NVIDIA Quadro RTX 4000 8 GB

System	Lenovo P7 Workstation
Processor(s)	Intel Xeon W9-3495x 1.9 GHz, 4.4 GHz Turbo, 56C, 105M Cache, HT (350W) DDR5-4800
Storage	1 TB M.2 PCIE NVMe SSD
RAM	96 GB (4x16 GB) 4800 MHz DDR4 RDIMM ECC
GPU	NVIDIA Quadro RTX A4500 8 GB

The following system configuration running macOS Monterey (12.6) and macOS Ventura (13.6) has been tested with Nuke15.0v1 and Nuke 14.1v1.

System	Apple MacBook Pro
Processor(s)	Apple M1 Pro
Storage	1 TB SSD Storage
RAM	16 GB
Graphics	Apple M1 Pro

Nuke Studio tested hardware

Nuke Studio is currently being tested and we will be providing system specifications soon. If you have any questions about compatible hardware in the meantime, please contact Support.