

RENDER/PLAYBACK NODE

TECHNICAL SPECIFICATIONS

Weight	20.00kg
Height	17.8cm
Width	48.5cm
Depth	60.0cm
CPU	AMD Ryzen Threadripper PRO 7965WX (24 Cores / 48 Threads, up to 5.3 GHz) optimized for massive multi-layer video decompression
GPU	NVIDIA RTX 6000 Ada Generation (48GB GDDR6 ECC VRAM) dedicated entirely to the output canvas
RAM	128 GB DDR5 ECC Registered configured in multi-channel arrays for heavy content playback bandwidth
Storage	Dual-drive setup; OS runs on mirrored boot drives, while media relies on 4x 2TB NVMe M.2 SSDs in RAID 0.
Read Speed	Over 24,000 MB/s sequential read throughput to instantly swap uncompressed high-bitrate clips.
Operating System	Windows 11 Pro 64-bit
Notchmark Score	43,979
Video Outputs	4x DisplayPort 1.4a native ports directly out of the rendering GPU.
Max Output Resolution	Native 8K equivalent canvas (7680 × 4320 pixels) split seamlessly across four fully synchronized 4K outputs at 60 FPS.
Video Inputs	Native expansion via PCIe capture cards including 4x 12G-SDI (BNC) and 2x HDMI 2.0.
Max Input Resolution	4K UHD (3840 × 2160) at 60 FPS per input stream.
High-Speed Network	2x 10GbE
General Network	1x 1GbE
Genlock	Fully supported via an integrated NVIDIA Quadro Sync II hardware card to prevent multi-projector or panel tearing.



KEY FEATURES

Form Factor	4U Reinforced Professional Rackmount Chassis designed with shock-isolated framing for flight cases and touring mobile units.
Dimensions (W x H x D)	485mm x 178mm x 600mm
Weight	20kg
Max Noise	62dB



MORE INFORMATION: www.universalphixels.com
Product specifications and data are subject to change without notice.