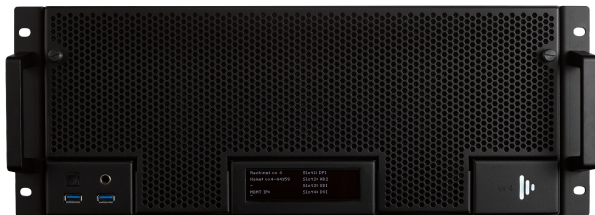


VX 4

POWER TO SCALE

Optimised for playing up to four times uncompressed 4K60 and lossless 10-bit video, the vx 4 powers content at high quality, smoothness and resolution.



WARRANTIES & SUPPORT

2 year return to base hardware warranty
(plus options to extend warranty length)

BUNDLED ACCESSORIES

Keyboard, Mouse, Power Cable (powerCON True1: USA/EU/UK), Hardware Guide, Backmounted Rails

UPGRADES

(AS - At Sale, F - Field)

- Storage Upgrade 15.36TB AS, F
- Storage Upgrade 30.72TB AS, F
- Storage Upgrade 61.44TB AS, F
- Storage Upgrade 120TB AS, F

PHYSICAL SPECIFICATIONS

	W	H	D
Packed Dimensions	711mm 28"	508mm 20"	737mm 29"
Unit Dimensions	434mm 17.09"	177mm 6.97"	594mm 23.39"
Unit + Rack Handles	483mm 19"	-	625mm 24.45"
Rack Depth	-	-	625mm 24.45"
Unit Weight	21kg 46.3lbs		
Packed Unit Weight	28kg 61.7lbs		

VX 4

HARDWARE SPECIFICATIONS

Voltage: 115-240V, 50-60Hz*

Power Connection: Neutrik powerCON True1

Power Consumption Peak: 858W

Heat Dissipation Peak: 2,928 BTU/h

Operating System: Windows 10 Enterprise GAC

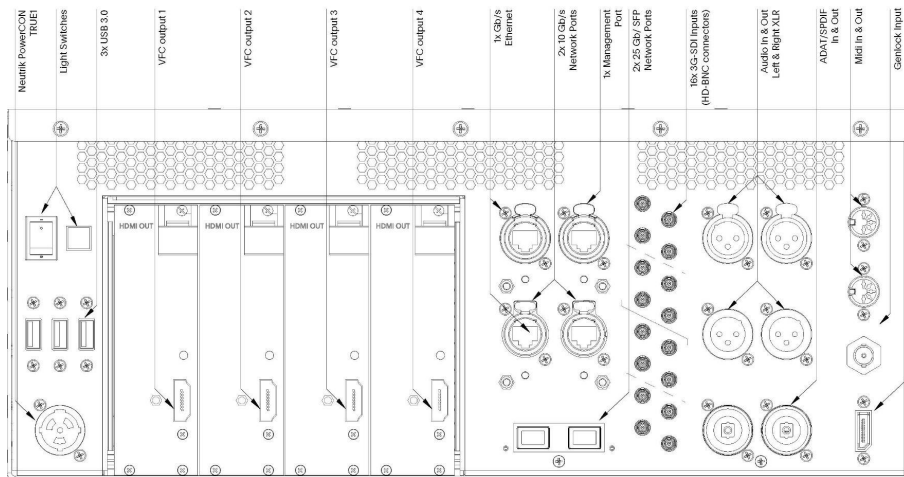
Environmental Tolerances: Temperature:
5-35°C (40°-95°F) / Humidity: 5%-95% (non-
condensing) / Altitude: 0-2700m (0-8850 ft)

Mounting System: 4U 19" rack mount

OS: 2x Internal Storage Drives

Storage: 4x 1.92TB Removable NVMe SSD (default RAID 10)

Memory: 96GB RAM (6x 16GB)



SYSTEM CONNECTIVITY I/O

Video Output:

- 1x Displayport 1.4 (GUI)
- 4x 4K outputs using VFC cards
- Ships standard with HDMI 2.0 VFC cards**

Video Input: 16x 3G inputs with support for quad-3G for 4x 4K inputs (HD-BNC connectors)

Audio:

- Balanced XLR (circular 3-pin connector) - 2x in, 2x out
- Analogue (1/4 headphone jack)

Optical Audio: ADAT/SPDIF (Toslink connector) - 1x in, 1x out

MIDI: MIDI (circular 5-pin DIN connector) - 1x in, 1x out

General Network

- 1x 1Gb/sec Ethernet
- 2x 10Gb/sec Ethernet

High Speed Network:

- 2x 25Gb/sec Ethernet port (SFP28)
- Optional upgrade: 2x 100Gb/sec Ethernet port (QSFP28)

System Management Controller: 1x Management Port (Ethernet)

Data/Peripherals: 5x USB 3.0

Video Sync: 1x BNC Genlock

*for countries with variable power supply we recommend a UPS to provide a consistent voltage.

**different Video Format Conversion Cards also available, refer to VFC specifications

VX 4

FULL HD PLAYBACK

Video codec & frame rate	Content data rate	Max layer
HAP 30	31 MB/s	56
HAP 60	62 MB/s	51
HAPQ 30	61.25 MB/s	49
HAPQ 60	122.5 MB/s	35
Animation 30	187.25 MB/s	20
Animation 60	374.5 MB/s	3
TIFF Sequence 30	4237 MB/s	19
TIFF Sequence 60	474 MB/s	9
NotchLC 30	78.375 MB/s	33
NotchLC 60	156.75 MB/s	3
ProRes 422 30	151 MB/s	12
ProRes 422 60	302 MB/s	6
ProRes HQ 30	232 MB/s	12
ProRes HQ 60	464 MB/s	6
ProRes 4444 30	348 MB/s	7
ProRes 4444 30	696 MB/s	3

4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layer
HAP 30	132 MB/s	17
HAP 60	264 MB/s	13
HAPQ 30	261.25 MB/s	12
HAPQ 60	522.5 MB/s	5
Animation 30	798.25 MB/s	5
Animation 60	1596.5 MB/s	1
TIFF Sequence 30	949 MB/s	5
TIFF Sequence 60	1898 MB/s	2
NotchLC 30	331.5 MB/s	8
NotchLC 60	663 MB/s	3
ProRes 422 30	654 MB/s	3
ProRes 422 60	1308 MB/s	2
ProRes HQ 30	991 MB/s	3
ProRes HQ 60	1982 MB/s	2
ProRes 4444 30	1490 MB/s	2
ProRes 4444 30	2980 MB/s	1

4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layer
DPX, 8-bit, RGB, 30	759 MB/s	5
DPX, 8-bit, RGB, 60	1518 MB/s	1
DPX, 10-bit, RGB, 30	1011 MB/s	4
DPX, 10-bit, RGB, 60	2022 MB/s	1
TGA, 8-bit, RGB, 30	759 MB/s	6
TGA, 8-bit, RGB, 60	1518 MB/s	2
TGA, 8-bit, RGBA, 30	1011 MB/s	4
TGA, 8-bit, RGBA, 60	2022 MB/s	2
TIFF, 8-bit, RGB, 30	759 MB/s	6
TIFF, 8-bit, RGB, 60	1518 MB/s	2
TIFF, 8-bit, RGBA, 30	1011 MB/s	5
TIFF, 8-bit, RGBA, 60	2022 MB/s	1

Testing completed on r21 87976
ProRes testing completed on r27.8 191665

Performance specifications listed here outline the maximum amount of video layers that are achievable on a single VX 4. These can fluctuate in future releases

VX 4

CAPTURE LATENCY

The following table provides data on how many frames of latency the vx 4 requires from capture to output:

vx 4 SDI

Refresh rate	Normal mode (frames)	Low latency mode (frames)	Ultra-low latency (frames)
60Hz	4-5	4	3
50Hz	4-5	4	3
30Hz	4-5	4	3

vx 4 NDI

Refresh rate	Normal mode (frames)	Low latency mode (frames)	Ultra-low latency (frames)
60Hz	5-6	5	4
50Hz	5-6	5	4
30Hz	5-6	5-6	4