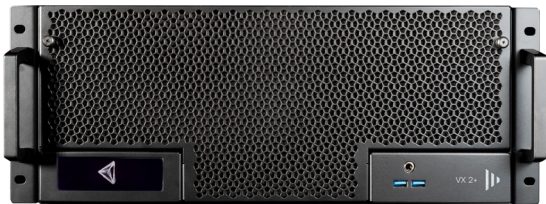


# VX 2+

## POWER NEXT-GENERATION CONTENT

The VX 2+ unlocks rock solid performance and reliability to future proof your shows and productions and meet ever growing content demands with two 4K video outputs. Fit for medium-sized studios and volumes.



## 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, Rear Support, Rack Slides (available upon request)

## UPGRADES

(AS - At Sale, F - Field)

- Storage Upgrade 7.68TB <sup>AS, F</sup>
- Storage Upgrade 15.36TB <sup>AS, F</sup>
- Storage Upgrade 30TB <sup>AS, F</sup>

## PHYSICAL SPECIFICATIONS

	W	H	D
<b>Packed Dimensions</b>	670mm 26.37"	386mm 15.2"	790mm 31.1"
<b>Unit Dimensions</b>	440mm 17.32"	176mm 6.93"	595mm 23.43"
<b>Unit + Rack Handles</b>	483mm 19"	-	625mm 24.6"
<b>Rack Depth</b>	-	-	625mm 24.6"
<b>Unit Weight</b>	17.4 kg 38.36 lbs		
<b>Packed Unit Weight</b>	26.3 kg 58 lbs		

# VX 2+

## HARDWARE SPECIFICATIONS

**Voltage:** 100-240V, 50-60Hz\*

**Power Connection:** Neutrik powerCON True1

**Power Consumption Peak:** 655 W

**Heat Dissipation Peak:** 2,235 BTU/h

**Max Decibel Rating:** 56db

**Operating System:** Windows 11 Enterprise GAC

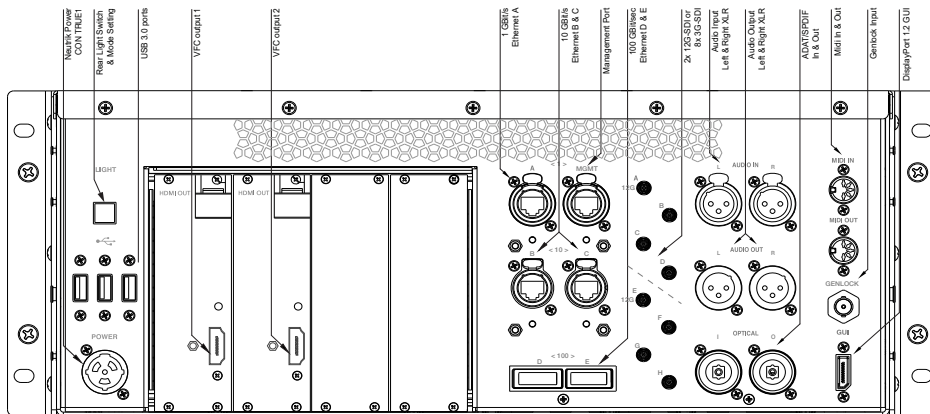
**Environmental Tolerances:** Temperature: 5-35°C (40°-95°F) / Humidity: 5%-95% (non-condensing) / Altitude: 0-2700m (0-8850 ft)

**Mounting System:** 4U 19" rack mount

**OS:** 2x Internal Storage Drives

**Storage:** 3.84TB SSD (default)

**Memory:** 96GB RAM (6x 16GB)



## SYSTEM CONNECTIVITY I/O

### Video Output:

- 1x DisplayPort 1.4 (GUI)
- 2x 4K outputs using VFC cards
- Ships standard with HDMI 2.0 VFC cards\*\*

### Video Input:

- 2x 12G or 8x 3G (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 100Gb/sec Ethernet

**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 2+

## FULL HD PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	31 MB/s	49
HAP 60	62 MB/s	49
HAPQ 30	61.25 MB/s	45
HAPQ 60	122.5 MB/s	28
Animation 30	187.25 MB/s	19
Animation 60	374.5 MB/s	9
TIFF Sequence 30	237 MB/s	14
TIFF Sequence 60	474 MB/s	7
NotchLC 30	78.375 MB/s	39
NotchLC 60	156.75 MB/s	23
ProRes 422 30	151 MB/s	29
ProRes 422 60	302 MB/s	15
ProRes HQ 30	232 MB/s	25
ProRes HQ 60	464 MB/s	13
ProRes 4444 30	348 MB/s	17
ProRes 4444 60	696 MB/s	8

## 4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	132 MB/s	27
HAP 60	264 MB/s	13
HAPQ 30	261.25 MB/s	14
HAPQ 60	522.5 MB/s	7
Animation 30	798.25 MB/s	5
Animation 60	1596.5 MB/s	2
TIFF Sequence 30	949 MB/s	3
TIFF Sequence 60	1898 MB/s	2
NotchLC 30	331.5 MB/s	11
NotchLC 60	663 MB/s	5
ProRes 422 30	654 MB/s	7
ProRes 422 60	1308 MB/s	3
ProRes HQ 30	991 MB/s	7
ProRes HQ 60	1982 MB/s	3
ProRes 4444 30	1490 MB/s	3
ProRes 4444 60	2980 MB/s	2

## 4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layers
DPX Sequence, 8-bit, RGB, 30	759 MB/s	4
DPX Sequence, 8-bit, RGB, 60	1518 MB/s	1
DPX Sequence, 10-bit, RGB, 30	1011 MB/s	3
DPX Sequence, 10-bit, RGB, 60	2022 MB/s	1
TGA Sequence, 8-bit, RGB, 30	759 MB/s	4
TGA Sequence, 8-bit, RGB, 60	1518 MB/s	2
TGA Sequence, 8-bit, RGBA, 30	1011 MB/s	3
TGA Sequence, 8-bit, RGBA, 60	2022 MB/s	1
TIFF Sequence, 8-bit, RGB, 30	759 MB/s	4
TIFF Sequence, 8-bit, RGB, 60	1518 MB/s	2
TIFF Sequence, 8-bit, RGBA, 30	1011 MB/s	3
TIFF Sequence, 8-bit, RGBA, 60	2022 MB/s	1

Testing completed on r26.4 174820

ProRes testing completed on r27.8 1919665

Performance specifications listed here outline the max amount of video layers that are achievable on a single VX 2+. These can fluctuate in future releases.

# VX 2+

## CAPTURE LATENCY

The following table provides data on how many frames of latency the VX 2+ requires from capture to output, measured for both Deltacast and Matrox capture cards:

### VX 2+ DELTACAST

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