

# VX 3

## UNPARALLELED VERSATILITY

Built to support large format pre-rendered or real-time video playback, the VX 3 provides a flexible, versatile and scalable solution with three 4K video outputs, ideal for mid to upper tier live events and experiences.



## 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>	610mm 24"	395mm 15.5"	765mm 30"
<b>Unit Dimensions</b>	445mm 17.52"	178mm 7"	593mm 23.35"
<b>Unit + Rack Handles</b>	483mm 19"	-	621mm 24.45"
<b>Rack Depth</b>	-	-	621mm 24.45"
<b>Unit Weight</b>		17.8kg 39.2lbs	
<b>Packed Unit Weight</b>		26.9kg 59.3lbs	

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## HARDWARE SPECIFICATIONS

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

**Power Connection:** Neutrik powerCON True1

**Power Consumption Peak:** 657 W

**Heat Dissipation Peak:** 2,242 BTU/h

**Max Decibel Rating:** 56db

**Operating System:** Windows 11 Enterprise GAC

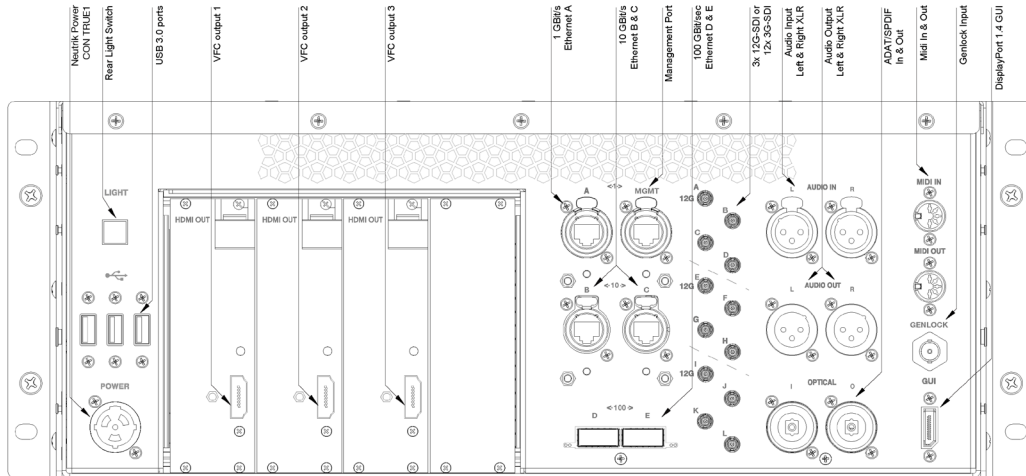
**Environmental Tolerances:** Temperature: 5-35°C (40°-95°F) / Humidity: 5%-95% (non-condensing) / Altitude: 0-2700m (0-8850 ft)

**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)
- 3x 4K outputs using VFC cards
- Ships standard with HDMI 2.0 VFC cards\*\*

### Video Input:

- 3x 12G or 12x 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

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## FULL HD PLAYBACK

Video codec	Content data rate	Max layers
HAP	31 MB/s	45
HAP 60	62 MB/s	44
HAPQ	61.25 MB/s	39
HAPQ 60	122.5 MB/s	28
Animation	187.25 MB/s	18
Animation 60	374.5 MB/s	9
TIFF Sequence	237 MB/s	13
TIFF Sequence 60	474 MB/s	6
NotchLC	78.375 MB/s	35
NotchLC 60	156.75 MB/s	23

## 4K DCI PLAYBACK

Video codec	Content data rate	Max layers
HAP	31 MB/s	25
HAP 60	62 MB/s	13
HAPQ	61.25 MB/s	13
HAPQ 60	122.5 MB/s	6
Animation	187.25 MB/s	4
Animation 60	374.5 MB/s	1
TIFF Sequence	237 MB/s	3
TIFF Sequence 60	474 MB/s	2
NotchLC	78.375 MB/s	11
NotchLC 60	156.75 MB/s	5
DPX Sequence, 8-bit, RGB, 30	759 MB/s	4
DPX Sequence, 8-bit, RGB, 60	1518 MB/s	1

## 4K DCI PLAYBACK

Video codec	Content data rate	Max layers
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, 10-bit, RGB, 30	1011 MB/s	3
TGA Sequence, 10-bit, RGB, 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, 10-bit, RGB, 30	1011 MB/s	3
TIFF Sequence, 10-bit, RGB, 60	2022 MB/s	1

Testing completed on r27.2 181738

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## CAPTURE LATENCY

The following table provides data on how many frames of latency the VX 3 requires from capture to output, measured for both Deltacast and Matrox capture cards:

### VX 3 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