

gx 2c

POWER TO RESPOND

The gx 2c is an award-winning machine featuring eight 3G-SDI inputs and two 10GbE network ports, as well as 10-bit and HDR support to match your generative Notch graphics demands.



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 7.68TB AS, F
- Storage Upgrade 15.36TB AS, F
- Storage Upgrade 30TB AS, F

PHYSICAL SPECIFICATIONS

	W	H	D
Packed Dimensions	711mm 28"	508mm 20"	737mm 29"
Unit Dimensions	445mm 17.52"	178mm 7"	593mm 23.35"
Unit + Rack Handles	483mm 19"	-	621mm 24.45"
Rack Depth	-	-	621mm 24.45"
Unit Weight	17kg 37.5lbs		
Packed Unit Weight	28kg 61.7lbs		

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HARDWARE SPECIFICATIONS

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

Power Connection: Neutrik powerCON True1

Power Consumption Peak: 517W

Heat Dissipation Peak: 1,764 BTU/h

Operating System: Windows 10 Enterprise GAC

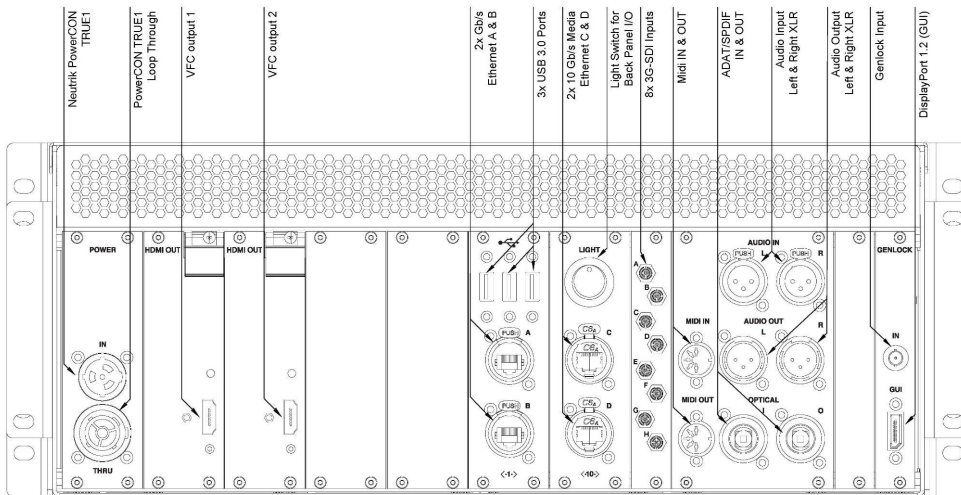
Environmental Tolerances: Temperature: 5-35°C (40°-95°F) / Humidity: 5%-95% (non-condensing) / Altitude: 0-2700m (0-8850 ft)

Mounting System: 4U 19" rack mount

OS: 2x Internal Storage Drives

Storage: 1x 3.84TB Removable NVMe SSD

Memory: 64GB RAM (8x 8GB)



SYSTEM CONNECTIVITY I/O

Video Output:

- 1x Displayport 1.2 (GUI)
- 2x 4K outputs using VFC cards
- Ships standard with HDMI 2.0 VFC cards**

Video Input: 8x 3G inputs with support for quad-3G for 2x 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:

- N/A

System Management Controller: N/A

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 layer
HAP 30	31 MB/s	49
HAP 60	62 MB/s	26
HAPQ 30	61.25 MB/s	38
HAPQ 60	122.5 MB/s	19
Animation 30	187.25 MB/s	12
Animation 60	374.5 MB/s	3
TIFF Sequence 30	4237 MB/s	10
TIFF Sequence 60	474 MB/s	5
NotchLC 30	78.375 MB/s	25
NotchLC 60	156.75 MB/s	4

4K DCI PLAYBACK

Video codec	Content data rate	Max layer
HAP 30	31 MB/s	19
HAP 60	62 MB/s	9
HAPQ 30	61.25 MB/s	9
HAPQ 60	122.5 MB/s	4
Animation 30	187.25 MB/s	3
Animation 60	374.5 MB/s	1
TIFF Sequence 30	4237 MB/s	3
TIFF Sequence 60	474 MB/s	1
NotchLC 30	78.375 MB/s	6
NotchLC 60	156.75 MB/s	1
DPX Sequence, 8-bit, RGB, 30	759 MB/s	3
DPX Sequence, 8-bit, RGB, 60	1518 MB/s	1

4K DCI PLAYBACK

Video codec	Content data rate	Max layer
DPX Sequence, 10-bit, RGB, 30	1011 MB/s	2
DPX Sequence, 10-bit, RGB, 60	2022 MB/s	1
TGA Sequence, 8-bit, RGB, 30	759 MB/s	3
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	3
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 r21 87976

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CAPTURE LATENCY

The following table provides data on how many frames of latency the gx 2c requires from capture to output:

gx 2c SDI

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

gx 2c NDI

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