

GX 3+



PERFORMANCE THAT PUSHES IMAGINATION

The GX 3+ meets the escalating demands of the world's boldest shows, powering richer, more sophisticated visuals that bring your vision to life without compromise. It's the media server of choice for the future of live entertainment.



WARRANTIES & SUPPORT

2-year return to base hardware warranty included.
(this can be optionally extended by up to 5 years)
Optional premium warranty available for up to 5 years.

BUNDLED ACCESSORIES

Mouse, keyboard, power cable (powerCON True1: US/EU/UK), hardware guide, rack slides.

*support for server racks with square holes (9.5mm), circle holes (7.1mm) and threaded holes (up to 7.1mm)

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		TBC	
Unit dimensions	440mm 17.32"	176mm 6.93"	595mm 23.43"
Unit + rack handles	483mm 19"		625mm 24.61"
Unit weight		19.8 kg 43.65 lbs	
Packed unit weight		28.8 kg 63.5 lbs	

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HARDWARE SPECIFICATIONS

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

Power Connection: Neutrik powerCON True1

Power Consumption Peak: 1089 W

Heat Dissipation Peak: 3,717 BTU/h

Max decibel rating: 68dB

Operating system: Windows 11 Enterprise GAC

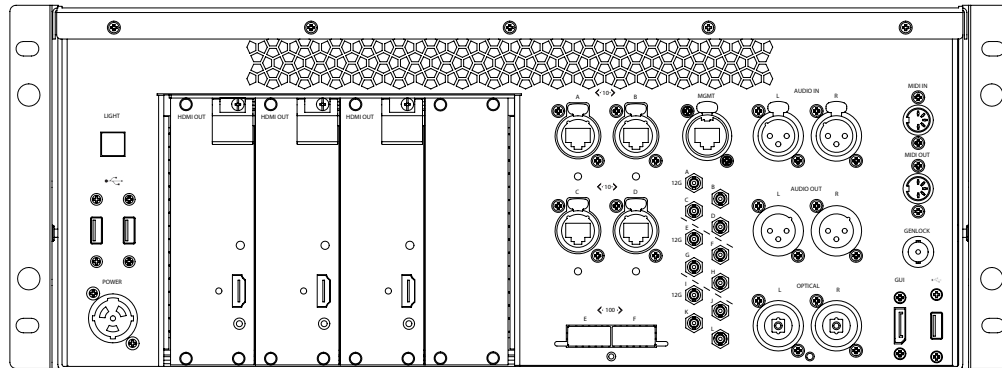
Environmental Tolerances: Temperature:
5-35°C (40°-95°F) / Humidity: 5%-95% (non-
condensing) / Altitude: 0-2700m (0-8850 ft)

Mounting system: 4U 19" rack mount

OS: 2x internal storage drives

Storage: 3.84TB removable NVMe SSD

Memory: 192GB RAM (6x 32GB)



SYSTEM CONNECTIVITY I/O

Video output:

- 1x DisplayPort 1.4 (GUI)
- 3x 4K outputs using VFC cards (with integrated EDID management)
- Ships standard with HDMI 2.0 VFC cards**

Video input:

- 3x 12G inputs or 12x 3G inputs (HD-BNC connectors)

Audio:

- Balanced XLR (circular 3-pin connector) - 2x in, 2x out

Optical audio:

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

MIDI:

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

General network:

- 4x 10GbE/sec (Ethernet)

High-speed network:

- 2x 100GbE/sec (QSFP28)

System management controller:

- 1x management port (Ethernet)

Data/peripherals:

- 5x USB 3.0 (3x rear, 2x front)

Video sync:

- 1x BNC Genlock

* For countries with variable power supply, we recommend a UPS to provide a consistent voltage. When running a GX 3+ at 100V in Japan, we strongly advise specifying a UPS capable of running at 13 Amps.

** Different Video Format Conversion cards also available, refer to VFC specifications.

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FULL HD PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	31 MB/s	84
HAP 60	62 MB/s	54
HAPQ 30	61.25 MB/s	66
HAPQ 60	122.5 MB/s	45
Animation 30	187.25 MB/s	26
Animation 60	374.5 MB/s	13
TIFF Sequence 30	237 MB/s	18
TIFF Sequence 60	474 MB/s	10
NotchLC 30	78.375 MB/s	69
NotchLC 60	156.75 MB/s	35
ProRes 422 30	151 MB/s	38
ProRes 422 60	302 MB/s	27
ProRes HQ 30	232 MB/s	38
ProRes HQ 60	464 MB/s	21
ProRes 4444 30	348 MB/s	32
ProRes 4444 60	696 MB/s	16

4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	132 MB/s	41
HAP 60	264 MB/s	20
HAPQ 30	261.25 MB/s	13
HAPQ 60	522.5 MB/s	9
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	14
NotchLC 60	663 MB/s	9
ProRes 422 30	654 MB/s	14
ProRes 422 60	1308 MB/s	7
ProRes HQ 30	991 MB/s	11
ProRes HQ 60	1982 MB/s	5
ProRes 4444 30	1490 MB/s	7
ProRes 4444 60	2980 MB/s	3

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	2
DPX Sequence, 10-bit, RGB, 30	1011 MB/s	4
DPX Sequence, 10-bit, RGB, 60	2022 MB/s	1
TGA Sequence, 8-bit, RGB, 30	759 MB/s	6
TGA Sequence, 8-bit, RGB, 60	1518 MB/s	3
TGA Sequence, 8-bit, RGBA, 30	1011 MB/s	4
TGA Sequence, 8-bit, RGBA, 60	2022 MB/s	2
TIFF Sequence, 8-bit, RGB, 30	759 MB/s	6
TIFF Sequence, 8-bit, RGB, 60	1518 MB/s	3
TIFF Sequence, 8-bit, RGBA, 30	1011 MB/s	3
TIFF Sequence, 8-bit, RGBA, 60	2022 MB/s	1

Testing completed on r32.0, 228571

Performance specifications listed here outline the max amount of video layers that are achievable on a single GX 3+. These can fluctuate in future releases.

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CAPTURE LATENCY

The following table provides data on how many frames of latency the GX 3+ requires from capture to output.

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

Measured against r32.0, 228571