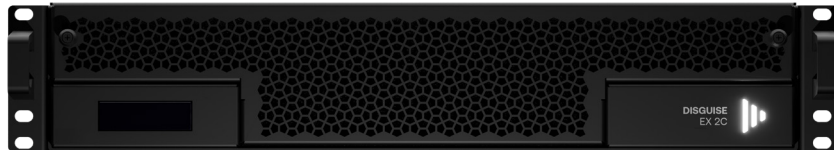


EX 2C



THE GATEWAY TO DISGUISE

The EX 2C has been designed to provide live events and experiences with a compact yet powerful pre-rendered video playback solution, unlocking the gateway to the most advanced live visual experience platform in the world.



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, Rack Rails*

*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 3.84TB ^{AS, F}
- Storage Upgrade 7.68TB ^{AS, F}
- Storage Upgrade 15.36TB ^{AS, F}
- Storage Upgrade 30TB ^{AS, F}

PHYSICAL SPECIFICATIONS

	W	H	D
Packed Dimensions	620mm 24.4"	310mm 12.2"	850mm 33.46"
Unit Dimensions	441mm 17.4"	88.4mm 3.5"	645.25mm 25.4"
Unit + Rack Handles	483.6mm 19"	88.4mm 3.5"	677.5mm 26.7"
Rack Depth	-	-	677.5mm 26.7"
Unit Weight		11.4kg 25.1lbs	
Packed Unit Weight		21.4kg (est) 47.1lbs (est)	

EX 2C

HARDWARE SPECIFICATIONS

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

Power Connection: Neutrik powerCON True1

Power Consumption Peak: 332W

Heat Dissipation Peak: 1,132 BTU/hr

Max Decibel Rating: 52.4db

Operating System: Windows 11 Enterprise GAC

GPU: NVIDIA RTX 4000 Ada

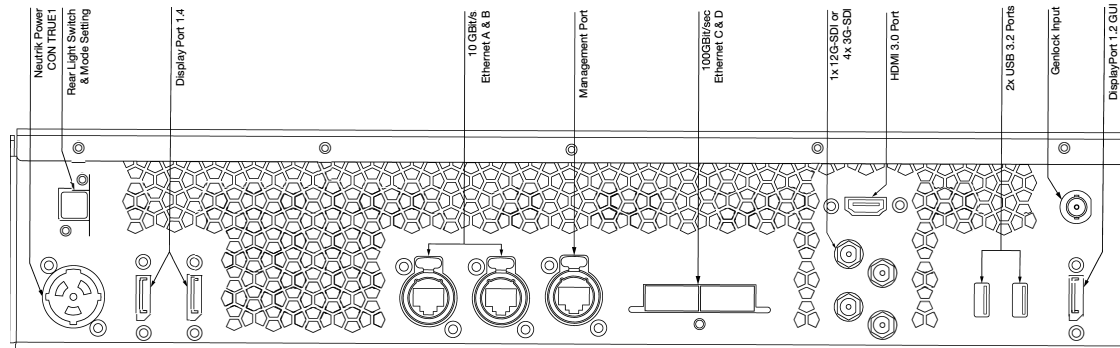
Environmental Tolerances: Temperature: 5-35°C (40°-95°F) / Humidity: 20%-80% (non-condensing) / Altitude: 0-2700m (0-8850 ft)

Mounting System: 2U 19" rack mount

OS: 1x Internal Storage Drive

Storage: 1.92TB Removable NVMe SSD (default)

Memory: 64GB RAM (4x 16GB)



SYSTEM CONNECTIVITY I/O

Video Output:

- 1x DisplayPort 1.4 (GUI)
- 2x DisplayPort 1.4 (Outputs)

Video Input:

 Up to 1x 4K DCI input or 4x Full-HD inputs via:

- 1x 12G or 4x 3G SDI (HD-BNC connectors)
- 1x HDMI 2.0 capture (HDMI connector)

Audio / Optical Audio / MIDI:

- N/A

General Network:

- 2x 10Gb/s (Ethernet)

High Speed Network:

 2x 100Gb/sec (QSFP28)

System Management Controller: 1x Management Port (Ethernet)

Data/Peripherals: 2x USB 3.2 (Gen 2x1)

Video Sync: 1x BNC Genlock

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

EX 2C



FULL HD PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	31 MB/s	55
HAP 60	62 MB/s	45
HAPQ 30	61.25 MB/s	50
HAPQ 60	122.5 MB/s	38
Animation 30	187.25 MB/s	40
Animation 60	374.5 MB/s	25
TIFF Sequence 30	237 MB/s	39
TIFF Sequence 60	474 MB/s	19
NotchLC 30	78.375 MB/s	38
NotchLC 60	156.75 MB/s	23
ProRes 422 30	151 MB/s	17
ProRes 422 60	302 MB/s	8
ProRes HQ 30	232 MB/s	14
ProRes HQ 60	464 MB/s	7
ProRes 4444 30	348 MB/s	9
ProRes 4444 60	696 MB/s	5

4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layers
HAP 30	132 MB/s	21
HAP 60	264 MB/s	16
HAPQ 30	261.25 MB/s	20
HAPQ 60	522.5 MB/s	16
Animation 30	798.25 MB/s	12
Animation 60	1596.5 MB/s	5
NotchLC 30	331.5 MB/s	15
NotchLC 60	663 MB/s	7
ProRes 422 30	654 MB/s	5
ProRes 422 60	1308 MB/s	2
ProRes HQ 30	991 MB/s	4
ProRes HQ 60	1982 MB/s	2
ProRes 4444 30	1490 MB/s	2
ProRes 4444 60	2980 MB/s	1

4K DCI PLAYBACK

Video codec & frame rate	Content data rate	Max layers
DPX Sequence, 8-bit, RGB, 30	759 MB/s	8
DPX Sequence, 8-bit, RGB, 60	1518 MB/s	5
DPX Sequence, 10-bit, RGB, 30	1011 MB/s	6
DPX Sequence, 10-bit, RGB, 60	2022 MB/s	3
TGA Sequence, 8-bit, RGB, 30	759 MB/s	12
TGA Sequence, 8-bit, RGB, 60	1518 MB/s	6
TGA Sequence, 8-bit, RGBA, 30	1011 MB/s	9
TGA Sequence, 8-bit, RGBA, 60	2022 MB/s	5
TIFF Sequence, 8-bit, RGB, 30	759 MB/s	12
TIFF Sequence, 8-bit, RGB, 60	1518 MB/s	6
TIFF Sequence, 8-bit, RGBA, 30	1011 MB/s	9
TIFF Sequence, 8-bit, RGBA, 60	2022 MB/s	5

Testing completed on r28 194541

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

EX 2C

CAPTURE LATENCY

The following table provides data on how many frames of latency the EX 2C requires from capture to output.

EX 2C 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

Testing completed on r28 194541