

Digital Media Storage

for EMINENCE-HD2 Video Servers

The LEIGHTRONIX EMINENCE-HD2™ video server features scalable, external digital media storage via Universal Serial Bus (USB) and Network Attached Storage (NAS) hard drive arrays. External server storage has proven to be an effective and innovative feature of LEIGHTRONIX video server technology. LEIGHTRONIX storage options allow you to configure an EMINENCE-HD2 video server system for your current needs while making it easy and affordable to expand your capacity in the future, without sending your server back to the factory! Simply plug in additional LEIGHTRONIX USB or a NAS storage device and double, triple, or quadruple your storage!

- Increased Media Storage Capacity at a Lower Cost
- Flexibility in Storage Options
- Easy System Configuration
- Immediate Storage Expansion

USB and NAS Storage

Each EMINENCE-HD2 server is equipped with four USB 2.0 data ports and supports a combination of up to four external USB storage devices. Additional storage may be added using the TOTAL SHARE™ feature and one NAS storage device, connected via a private, dedicated digital media storage network.

Model	USB Storage Capacity	NAS Storage Capacity	Overall Storage Capacity
EMINENCE-HD2	4 Terabytes	12 Terabytes	16 Terabytes

USB Storage Devices

The LGX-500GBR-D, LGX-1TBR-D, and LGX-2TBR-D are high performance USB hard drive arrays featuring full data redundancy. Each model is equipped with dual hard drives, configured in RAID 1 mode, providing fully mirrored data (the drives are exact copies of each other). The drive enclosure is rack mountable and occupies only one rack unit of space.

LGX-500GBR-D

Drive Configuration: 500GB x 2, RAID Mode 1, Storage Capacity 500 Gigabytes

LGX-1TBR-D

Drive Configuration: 1000GB x 2, RAID Mode 1, Storage Capacity 1 Terabyte

LGX-2TBR-D

Drive Configuration: 2000GB x 2, RAID Mode 1, Storage Capacity 2 Terabytes

NAS Device

The LGX-4TBR-N is equipped with four hard disc drives and is configured and shipped in RAID 1+0 mode, providing mirrored data and a storage capacity of 4 terabytes. The LGX-4TBR-N is rack mountable and occupies only one rack unit of space.



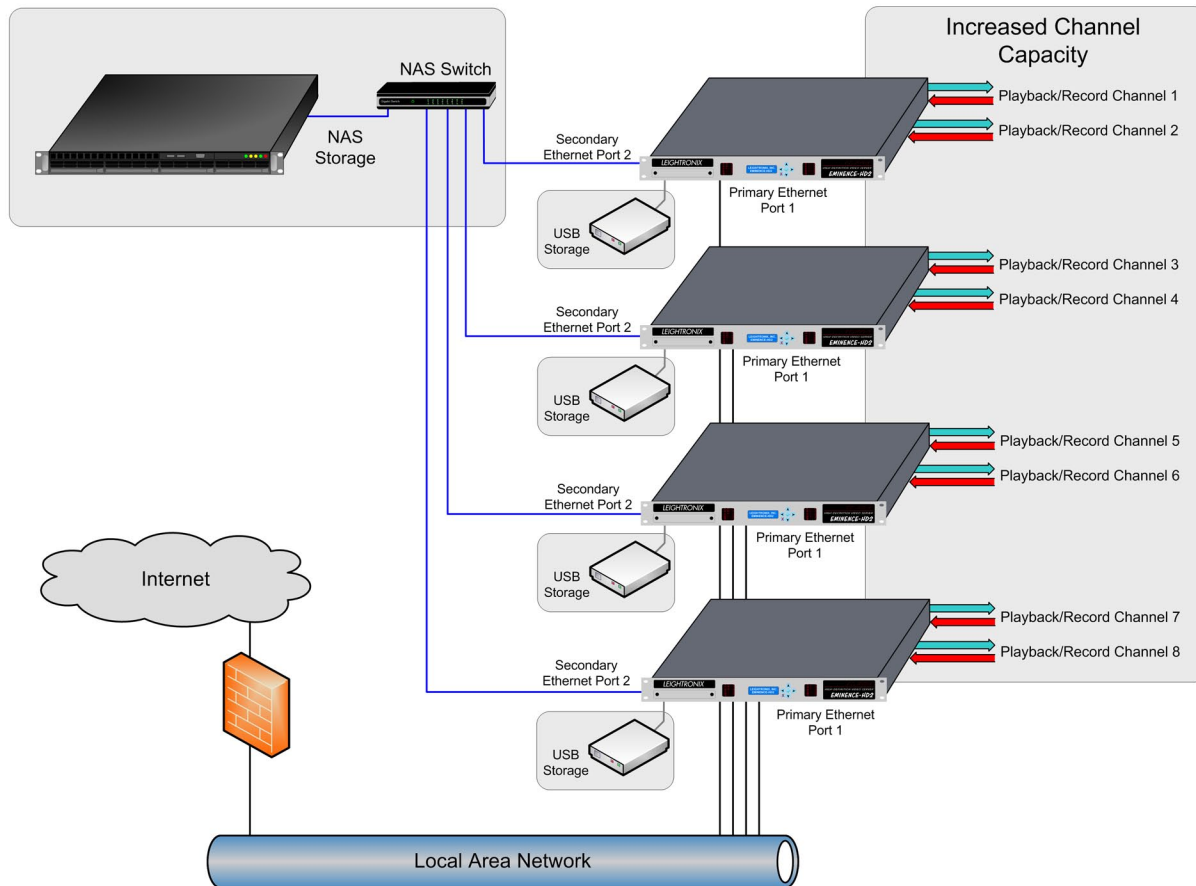
The LGX-500GBR-D, LGX-1TBR-D, and LGX-2TBR USB hard drive arrays provide extensive storage capacity options for the EMINENCE-HD2 video server. Each drive enclosure only occupies one rack unit of space.



LGX-4TBR-N NAS Hard Drive Array

TOTAL SHARE

The LEIGHTRONIX TOTAL SHARE feature allows users with EMINENCE-HD2 servers to increase both local digital media storage and overall digital playback/record channel capacity through a dedicated, high-speed network. With TOTAL SHARE, users can create a modular video server system that supports a combination of up to four EMINENCE-HD2 video servers and one NAS device. Digital media on the NAS is common to all servers while USB storage is only available to the individual video servers. All EMINENCE-HD2 servers connected through a TOTAL SHARE network are controlled from a single user interface via the WinLGX software.



About Digital Media Storage Capacity

Why does the EMINENCE-HD2 system report my 500GB drive as 466GB?

Hard drive manufacturers provide drive capacity specifications in decimal gigabytes (GB). The prefix giga refers to one billion, or in the decimal number system, ten to the power of nine ($10^9 = 1,000,000,000$). A 500GB hard drive would have no less than 500,000,000,000 bytes of data space.

In the digital computing world, where memory and storage calculations are based on the binary number system (zeros and ones), a gigabyte is equal to $2^{30} = 1,073,741,824$. Each time a 1 GB file is saved on the hard drive, it will occupy 1,073,741,824 bytes, which is more than the 1,000,000,000 bytes in the decimal number system. To predict the actual binary capacity of a hard drive, simply divide the drive capacity by 1,073,741,824: 500GB drive = $500,000,000,000 \text{ bytes} / 1,073,741,824 = 465.661128 \text{ GB (binary)}$.

Questions?

For more details on video server storage, visit leightronix.com/totalshare_eminencehd2.

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