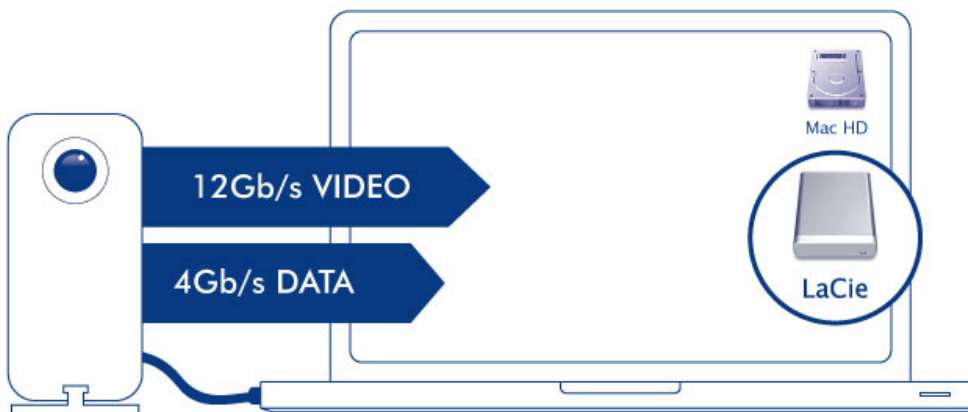


# LITTLE BIG DISK THUNDERBOLT 2: ADVANCED STORAGE TECHNOLOGY

## THUNDERBOLT 2 TECHNOLOGY

The Little Big Disk Thunderbolt 2 uses Thunderbolt 2 technology, the fastest, most versatile connection for your computer. While first generation Thunderbolt technology transfer rates are 10Gb/s bi-directional, Thunderbolt 2 technology provides 20Gb/s bi-directional. Additionally, Thunderbolt 2 technology gives priority to the video stream, apportioning the required bandwidth for playback. This is a critical advantage when working with high-end video and 3D graphics.

For example, you have two streams, 4K video at 12Gb/s and data at 4Gb/s. Whereas first generation Thunderbolt technology may experience difficulty with the video signal, Thunderbolt 2 technology allows it to pass without a problem, dividing the bandwidth as needed for playback.



## Little Big Disk Thunderbolt 2 technology: Peripheral Component Interconnect Express (PCIe) and Solid-State Drives (SSDs)

The Little Big Disk Thunderbolt 2 is housed within LaCie's signature aluminum design for easy portability and exceptional reliability. Its internal parts have been reconstructed to give you nothing short of the best performance for your increasingly demanding projects:

- Two Thunderbolt 2 technology ports, 20Gb/s bi-directional
- Two PCIe Gen 2 SSDs, 2.5x faster than SATA III SSDs
- Pre-configured Striped Set, RAID 0 optimizes drive utilization and throughput

Unlike standard hard drives (HDDs), SSDs are not mechanical devices and they do not have moving parts. With an SSD, users can stop calculating revolutions per minute for data seek rates since it is composed entirely of RAM. Thus, accessing data on an SSD is considerably faster than an HDD. As with most comparisons, the bump in speed is based upon the types of SSDs and HDDs as well as the throughput of the interface. However, SSDs have proven to be faster and are increasingly available in storage, mobile, and computing devices.



At the heart of the Little Big Disk Thunderbolt 2 are two PCIe Gen 2 SSDs. The use of PCIe Gen 2 SSDs place the Little Big Disk Thunderbolt 2 into the next level of advanced storage. Most standard multi-disk enclosures that feature SSDs or HDDs share a SATA bus. No matter the version of SATA, the drives are limited to a fixed number of channels to pass data. However, each PCIe Gen 2 SSD has its own bus which helps to limit data bottlenecks from multiple drives.