

What SSDs should I use with the HyperDecks?

Certified SSDs

SSDs which are qualified for Uncompressed 10-bit video capture will also work well for compressed video capture. There are some SSDs which we have tested and found to drop frames when capturing Uncompressed 10-bit video. However, they still work well when capturing compressed video.

The following SSDs are recommended for Uncompressed 10-bit or compressed video capture:

- ADATA XPG SX900 256GB (ASX900S3-256GM-C)
- Angelbird 240GB AV Pro
- Angelbird 480GB AV Pro
- Digistor 240GB SSD Professional Video Series (DIG-PVD240S, pre-formatted ExFat)
- Digistor 480GB SSD Professional Video Series (DIG-PVD480S, pre-formatted ExFat)
- Digistor 1TB SSD 4K Professional Video Series (DIG-PVD1000, pre-formatted ExFat) - not compatible with Hyperdeck Shuttle
- Kingston 240GB HyperX 3K (SH103S3/240G)
- Kingston 480GB HyperX 3K (SH103S3/480G)
- Kingston 240GB SSD Now KC300 (SKC300S37A/240G)
- Kingston 480GB SSD Now KC300 (SKC300S37A/480G)
- Intel 335 Series 240GB SSD (SSDSC2CT240A4K5)
- Intel 520 Series 240GB SSD (SSDSC2CW240A310)
- Intel 520 Series 480GB SSD (SSDSC2CW480A310)
- Intel 530 Series 180GB SSD (SSDSC2BW180A401)
- Intel 530 Series 240GB SSD (SSDSC2BW240A401)
- OWC 120GB Mercury Extreme Pro 6G (OWCSSD7P6G120)
- OWC 240GB Mercury Extreme Pro 6G (OWCSSD7P6G240)
- OWC 480GB Mercury Extreme Pro 6G (OWCSSD7P6G480)
- Samsung 256GB 850 Pro (MZ-7KE256BW, spacer required)
- Samsung 512GB 850 Pro (MZ-7KE512BW, spacer required)
- Samsung 1TB 850 Pro (MZ-1T0BW, spacer required)- - not compatible with Hyperdeck Shuttle
- Sandisk Extreme 240GB (SDSSDX-240G-G25)
- Sandisk Extreme 480GB (SDSSDX-480G-G25)
- Sandisk Extreme Pro 240GB (SDSSDXPS-240G-G25)
- Sandisk Extreme Pro 480GB (SDSSDXPS-480G-G25)
- Sandisk Extreme Pro 960GB (SDSSDXPS-960G-G25)
- PNY Prevail 240GB (SSD9SC240GCDA-PB)
- PNY Prevail 480GB (SSD9SC480GCDA-PB)
- PNY XLR8 480GB (SSD9SC480GMDA-RB)
- Transcend 256GB SSD720 (TS256GSSD720)
- Transcend 256GB SSD370 (TS256GSSD370)
- Transcend 1TB SSD370 (TS1TSSD370)

In addition to the above, these SSDs work ONLY for compressed video capture:

- Crucial 256GB M4 (firmware 000F) (CT256M4SSD2)
- OCZ Agility 3 240GB (AGT3-25SAT3-240G)
- Sandisk Extreme 120GB (SDSSDX-120G-G25)

The following SSDs are either discontinued or only supported as part of a legacy configuration and may no longer be available with the required firmware:

- Crucial 256GB C300 (CTFDDAC256MAG-1G1) - (discontinued)
- Digistor 128GB SSD Professional Video Extreme (DIG-PVD128E, pre-formatted ExFat)
- Kingston 64GB SSD Now V+100 (SVP100S2/64G) - (discontinued)
- Kingston 128GB SSD Now V+100 (SVP100S2/128G) - (discontinued)
- Kingston 512GB SSD Now V+100 (SVP100S2/512G) - (discontinued)
- Kingston 120GB SSD Now V+200 (SVP200S3/120G) - (discontinued)
- Kingston 240GB SSD Now V+200 (SVP200S3/240G) - (discontinued)
- Kingston HyperX 240GB (SH100S3/240G) - (discontinued)
- OCZ 240GB Vertex 3 (VTX3-25SAT3-240G) - (discontinued)
- OCZ 480GB Vertex 3 (VTX3-25SAT3-480G) - (discontinued)
- OCZ 240GB Deneva 2 (firmware 2.22) (D2CSTK251M21-0240) - (discontinued)
- OWC Mercury Extreme Pro 6G SSD (firmware 5.0.2) (OWCSSDMX6G240T) - (discontinued)
- OWC 120GB Mercury Extreme Pro 6G (Firmware Rev 5.0.7) (OWCSSDMX6G120T) - (discontinued)
- OWC 240GB Mercury Extreme Pro 6G (Firmware Rev 5.0.6) (OWCSSDMX6G240T) - (discontinued)
- OWC 480GB Mercury Extreme Pro 6G (Firmware Rev 5.0.6) (OWCSSDMX6G480) - (discontinued)

The following SSDs are known only to work with specific firmware versions:

- Crucial 512GB M4 (firmware 009 only) (CT512M4SSD2)

Important Notes About SSD Speed

Some models of SSD can't save video data at the speed the manufacturer claims. This is due to the disk using hidden data compression to attain higher write speeds. This data compression can only save data at the manufacturer's claimed speed when storing data such as blank data or simple files. Video data includes video noise and pixels which are more random so compression will not help, therefore revealing the true speed of the disk.

Some SSDs can have up to 50% lower write speed than the manufacturer's claimed speed. So even though the disk specifications claim an SSD has speeds fast enough to handle video, in reality the disk isn't fast enough when used to store video data for real time capture. However, this mostly affects HD capture and often these disks can still be used for playback.

Use Blackmagic Disk Speed Test to accurately measure whether your SSD will be able to handle uncompressed video capture and playback. Blackmagic Disk Speed Test uses data to simulate the storage of video so you get results similar to what you'll see when capturing video to a disk. During Blackmagic testing, we have found newer, larger models of SSD and larger capacity SSDs are generally faster.
