HyperDeck Shuttle FAQ

How long does the supplied battery last?

1 hr when recording
1.5 hours during playback
Battery performance also depends on the power consumption of the SSD drives used. Some drives consume twice as much power as other similar capacity ones from other brands.

What happens when the internal battery runs out?

You can use the included 240v plug pack or utilise your camera's power outlet (if available).

If I am recording SDI, will the HDMI output be available for preview?

Yes, all outputs are live during recording.

What happens if the unit completely loses power during a recording? Is the entire capture corrupt and irretrievable or can you still access what was recorded up to the point of power loss?

You will lose some portion of the recording but not completely the file is closed off every so often to cater for situations where someone pulls the SSD accidentally or if there's a power loss.

How much are the SSDs going to cost?

Drive costs can vary greatly between suppliers. Off the shelf SSDs can be used as long as they are fast enough for uncompressed 10-bit capture. If in doubt, run the Disk Speed Test app available on the Mac App Store.

What kind of SSDs can be used that have been approved?

Only 2.5" SSDs. The following SSD's are recommended for uncompressed 10-bit video capture:

1. OCZ 240GB Vertex 3
2. OCZ 480GB Vertex 3
3. Crucial 256GB C300
4. Kingston 64GB SSDNow V+
5. Kingston 128GB SSDNow V+
6. Crucial M4 range (with 009 firmware)

Will the HyperDeck Shuttle accept SD footage via SDI?

Yes. SD PAL and NTSC . If you want to do progressive SD, then it can only be captured via HDMI.

Can you copy files onto the SSD from a Mac or PC for playback in the HyperDecks?

Yes, if the file is in the supported codec.

Can HyperDeck Studio be controlled over Ethernet like an RS422 control connection?

This feature will most likely be implemented in a future update. Certain RS422 type controls like insert/assemble may not be available.

Will the finished version allow playback of all clips on the disk, or only the last recorded video format?

In the first version of the software only files recorded in the last recorded video format will be playable. For example, if you capture PAL, then capture NTSC, you will only be able to playback the NTSC clips. The PAL clips will still be on disk though, you just won't be able to play them back...
This limitation will be solved in future updates.

Will the OSD be active in Version 1?

No. Not in the initial release.

Can I use normal SATA discs with spinning platters?

No, they will not be fast enough to sustain uncompressed 10-bit video capture.

Are there any camera mounting options available?

Not at this point. We expect that there will be 3rd party manufacturers with options to mount the unit to a camera.

Is there a fast forward button?

No, but holding down the "Next Clip" and "Previous Clip" button will fast forward/rewind the clip in 2x, 4x and 8x speeds with every successive press.

Will HyperDeck Shuttle have looped playback as an option?

Yes it will.

What is the format of the recorded file?

The SSD is HFS+ formatted and the files recorded are uncompressed 10-bit 4:2:2 in a QuickTime .MOV wrapper. This is exactly the same kind of file captured on a Mac with the DeckLink card using the Uncompressed 10-bit 4:2:2 settings.

How do you format the SSD drives?

The drive needs to be formatted as HFS+ either in a MAC or in a PC. If you need to format it on PC in Windows, a 3rd party application is required that will read/write/format on Windows, like Macdrive and Paragon HFS+.

How much recording time will I get?

128 Gb = 12.5 minutes in HD
512 Gb = 50 minutes in HD
For SD, multiply the times by a factor of 4.

What bit rates does the HyperDeck Shuttle record at? I know it is uncompressed .MOV but the bit rate…?

The answer depends upon which format you are using. Here are a few rates to give you some idea of disk space requirements.
525 NTSC uncompressed 10 bit @ 720 x 486 @ 29.97fps = 27 MB per/sec, or 94 GB per/hr.
625 PAL uncompressed 10 bit @ 720 x 576 @ 25fps = 26 MB per/sec, or 93 GB per/hr.
720p HDTV uncompressed 10 bit @ 1280 x 720 @ 59.94 = 140 MB per/sec, or 494 GB per/hr.

1080i and 1080p HDTV uncompressed:
10 bit @ 1920 x 1080 @ 24fps = 127 MB per/sec, or 445 GB per/hr.
10 bit @ 1920 x 1080 @ 25fps = 132 MB per/sec, or 463 GB per/hr.
10 bit @ 1920 x 1080 @ 29.97fps = 158 MB per/sec, or 556 GB per/hr.

What if I want to use the files on a PC?

The QuickTime .MOV file can be read back on a PC. However, PC users will need to download a free utility (Free HFS+ reader), from http://www.catacombae.org/hfsx.html in order to copy the file to PC. This is a 32 bit app but can be used on a 64 bit OS by running the program in Windows XP mode.

For more advanced features and full 64 bit operation you can purchase MacDrive from http://www.mediafour.com/products/macdrive which will allow a Windows PC to read and format a Mac HFS+ volume.

What inputs does the HyperDeck shuttle have?

SD/HD-SDI and HDMI. Note that the SDI input is Din 1.0/2.3, and may require an adapter cable (din to bnc).

Will the HyperDeck Shuttle/Studio record from a digital still camera with HDMI output?

Some digital still cameras have information overlays on their HDMI output which cannot be disabled. Other cameras switch to a different resolution when in record mode. Please check with the camera manufacturer for more information. If your camera outputs a 'clean' HDMI signal, then you should have no problems recording it with the HyperDecks.

Detailed specs can be found here:
http://www.blackmagic-design.com/products/hyperdeckshuttle/techspecs/

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