Black Magic HyperDeck Studio Pro
Mfr.Part# BMD-HYPERD/ST/PRO Our Part# BMDHYPERDSTPRO

Professional broadcast decks that use fast solid state disks!

HyperDeck Studio Pro records 4:2:2 SD/HD and 2K, all in full uncompressed quality. Use ProRes or DNxHD compression for high quality HD video in file sizes that provide 5 times longer recording. HyperDeck Studio Pro features 3Gb/s SDI, HDMI and analog component connections, plus professional XLR audio and built-in Thunderbolt connectivity. It includes a built-in power supply for convenience and the 1 rack unit size fits easily into any studio or portable rack!

HyperDeck Studio disk recorders let you record the highest quality uncompressed and compressed ProRes and DNxHD video formats using fast 2.5" SSDs. Designed with familiar VTR controls, HyperDeck Studio includes innovative features that extend beyond the capabilities of traditional decks. Dual SSD slots let you record continuously, when one disk is full recording automatically continues on the next SSD. You can mount an SSD recorded using HyperDeck Studio on to any computer to access your files, so you don't need multiple decks to work with your media! There are two great HyperDeck Studio models to choose from.

Replace Aging Decks

HyperDeck Studio is a fantastic modern replacement for aging broadcast decks. You get the same functionality and control of a professional deck with the advantage of recording directly to uncompressed or industry standard ProRes and DNxHD video formats. Connect cameras, switchers or any other video feed to HyperDeck Studio and create files that are perfect for every production and post production workflow! With a slim 1 rack unit design, HyperDeck Studio is considerably smaller than a traditional VTR and fits easily into any equipment rack, OB vehicle or flyway kit!

Broadcast Video Quality

HyperDeck Studio records SD/HD 10-bit 4:2:2 uncompressed video for perfect broadcast quality. With uncompressed video you can create the sharpest VFX plates for match moving, compositing and more. You get deep dynamic color range for color correction and perfect keying without jagged edges. You can also use industry standard compressed video formats that maintain incredible HD quality at reduced files sizes. With HyperDeck Studio Pro you can now push quality to new heights, with additional support for 2K, plus 4K playback using Apple ProRes.

Specifications

SDI Video Input	4 x 10-bit SD/HD/3 Gb/s SDI switchable.
SDI Video Output	4 x 10-bit SD/HD/3G Gb/s SDI switchable. 1 x 10-bit SD/HD/3 Gbs/SDI switchable Monitor Output.
Analog Video Input	1 x Component YUV on 3 BNCs, supports HD and SD.
Analog Video Output	1 x Component YUV on 3 BNCs, supports HD and SD.
HDMI Video Input	1 x HDMI type A connector
HDMI Video Output	1 x HDMI type A connector
Analog Audio Input	2 x XLR connectors for professional balanced analog audio. 2 x RCA connectors for unbalanced analog audio from consumer equipment.
Analog Audio Output	2 x XLR connectors for professional balanced analog audio.
SDI Audio Input	16 channels embedded in SD and HD in QuickTime files. 2 channels in Avid DNxHD MXF files.
SDI Audio Output	16 channels embedded in SD and HD in QuickTime files. 2 channels in Avid DNxHD MXF files.
HDMI Audio Input	8 channels embedded in SD and HD in QuickTime files.

	2 channels in Avid DNxHD MXF files.
HDMI Audio Output	8 channels embedded in SD and HD in QuickTime files. 2 channels in Avid DNxHD MXF files.
Timecode Input	1 x XLR connector for timecode input
Timecode Output	1 x XLR connector for timecode output
SSD Interface	2 x 2.5" SATA 6Gb/s
Sync Input	Blackburst or Tri-Sync
Device Control	Sony™ compatible RS422 deck control port
Recorder Control	12 buttons and jog wheel for local control of HyperDeck Studio Pro or use either RJ45 Ethernet or USB 2.0 high speed interface
Recorder Configuration	Use USB 2.0 high speed interface
Computer Interface	1x Thunderbolt™ port for capture of video and audio. 1 x type B USB 2.0 port for initial setup, software updates and HyperDeck Utility software control.
SD Format Support	625/25 PAL and 525/29.97 NTSC. 480p60 and 576p50 via HDMI only.
HD Format Support	720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
2K Format Support	2048x1080PsF23.98, 2048x1080p23.98, 2048x1080PsF24, 2048x1080p24, 2048x1080PsF25, 2048x1080p25
4K Playback Format Support	3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30. 4K playback is supported from a single ProRes QuickTime file.
SDI Compliance	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 425M
SDI Metadata Support	HD RP188 and closed captioning.
Audio Sampling	Television standard sample rate of 48kHz and 24 bit
Video Sampling	4:2:2
Color Precision	10-bit
Color Space	REC 601, REC 709
Multiple Rate support	SDI, HDMI and component analog video connections are

	switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI and 3 Gb/s HD and 2K SDI.
Copy Protection	HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.
Codec Support	Uncompressed QuickTime, Apple ProRes 422 (HQ) QuickTime, Avid DNxHD QuickTime, Avid DNxHD MXF
Displays	Built-in LCD for video, audio and timecode monitoring
Physical Installation	1 rack unit size. Less than 7 inches deep.
Power Supply	1 x built-in international AC power supply with IEC C14 inlet. 110-240V, 50-60Hz.
Product Warranty	12 Month Limited Manufacturer's Warranty.