

Connections

SDI Video Input : 4 x 10-bit SD/HD independently switchable.

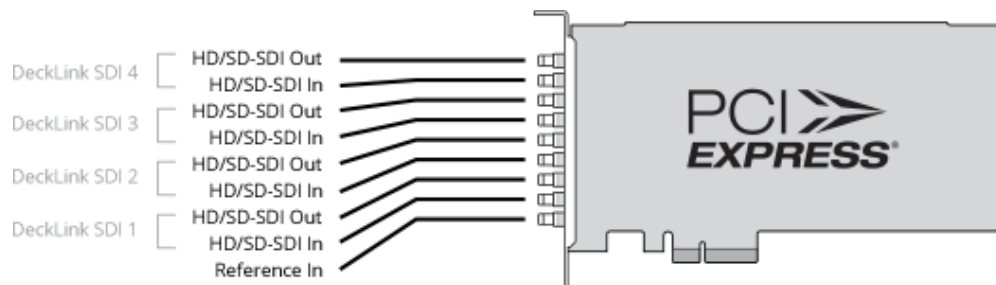
SDI Video Output : 4 x 10 bit SD/HD independently switchable.

SDI Audio Input : 8 Channels per input, embedded in SD and HD.

SDI Audio Output : 8 Channels per output, embedded in SD and HD.

Sync Input : Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format.

Computer Interface : PCI Express 4 lane, compatible with 4, 8 and 16 lane PCIe slots.



Codecs Supports: AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, XDCAM EX, XDCAM HD, XDCAM HD422, Apple ProRes 4444, Apple ProRes 422 (HQ), Apple ProRes 422, Apple ProRes (LT), Apple ProRes 422 (Proxy), Uncompressed 8-bit 4:2:2, Uncompressed 10-bit 4:2:2.

Software

Software Included : Media Express, Disk Speed Test, LiveKey, Blackmagic System Preferences and Blackmagic driver on Mac OS X. Media Express, Disk Speed Test, LiveKey, Blackmagic Control Panel and Blackmagic driver on Windows 8. Media Express, Blackmagic Control Panel and Blackmagic driver on Linux.

Internal Software Upgrade : Firmware built into software driver. Loaded at system start or via updater software.

Physical Installation : PCI Express 4 lane, compatible with 4, 8 and 16 lane PCI Express slots on Mac OS X, Windows 8 and Linux. Mac OS X systems require a Mac Pro computer. Please check the Support pages to see the full system requirements.

Software Applications : Apple Final Cut Pro X, Adobe Premiere Pro, Avid Media Composer, Adobe After Effects, Nuke - The Foundry, DaVinci Resolve, Avid Pro Tools, Steinberg Cubase, Steinberg Nuendo, Adobe Photoshop.

Other supported applications include: Avid Symphony, Avid News Cutter, Tools On Air just:in & live:cut & just:play & just:live, Softron OnTheAir, MovieRecorder and OnTheAir CG, Flash Media Encoder, Wirecast, Livestream Procaster, Resolume Avenue 4, Sony Vegas Pro, Corel VideoStudio Pro X4, CyberLink Power Director, MAGIX Video Pro X4, Vidcaster Pro & Studio & Broadcast, Uniplay, Playbox AirBox, CasparCG, Magicsoft CG, Xsplit Broadcaster, Harris Infocaster.

Video Standards

SD Format Support : 625/25 PAL, 525/29.97 NTSC, 525/23.98 NTSC.

HD Format Support : 720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60. - **SDI Compliance :** SMPTE 259M, SMPTE 292M, SMPTE 296M.

SDI Metadata Support : VITC read for 3:2 pulldown removal. VANC capture and playback using up to 3 lines of video in file. HD RP188 and closed captioning.

Audio Sampling : Television standard sample rate of 48 kHz and 24 bit.

Video Sampling : 4:2:2 - **Color Precision :** 10-bit - **Color Space :** REC 601, REC 709

Multiple Rate support : SDI switches between 270 Mb/s standard definition SDI and 1.5 Gb/s HD-SDI.

Processing

Colorspace Conversion : Hardware based real time.

HD Down Conversion : HD to SD on video capture or video playback.

HD Up Conversion : SD to 720HD or 1080HD on video capture.

Cross Conversion : 720HD to 1080HD on video capture.

Real Time Effects : Apple Final Cut Pro™ internal effects. Adobe® Premiere Pro® Mercury Playback Engine effects. Avid Media Composer 6™ internal effects.

Operating Systems : Mac OS X 10.7 Lion or later, and Mac OS X 10.8 Mountain Lion or later. - Windows 7 or Windows 8. - Linux.

Environmental Specifications

Operating Temperature : 5° to 40° C (32° to 104° F)

Storage Temperature : -20° to 45° C (-4° to 113° F)

Relative Humidity : 0% to 90% non-condensing.