

Connections

SDI Video Input : 1 x 10 bit SD/HD switchable.

SDI Video Output : 1 x 10 bit SD/HD switchable. 1 x 10-bit SD only, down converted or key.

Analog Video Input : 1 x Component video on 3 BNCs. 1 x S-Video on S-Video connector. 1 x Composite NTSC/PAL on 1 BNC.

Analog Video Output : 1 x Component video on 3 BNCs. 1 x S-Video on S-Video connector. 1 x Composite NTSC/PAL on 1 BNC.

HDMI Video Input : 1 x HDMI type A connector.

HDMI Video Output : 1 x HDMI type A connector.

Analog Audio Input : 4 Channels of professional balanced analog audio via 1/4" jack connectors.

Analog Audio Output : 4 Channels of professional balanced analog audio via 1/4" jack connectors. Channels 3 and 4 can switch to AES/EBU outputs.

AES/EBU Audio Input : 2 Channels unbalanced with sample rate converter.

AES/EBU Audio Output : 2 Channels unbalanced. Analog outputs 3 and 4 can switch to AES/EBU outputs for audio 3 & 4 and 5 & 6 output. This provides a total of 6 AES/EBU output audio channels when using this feature.

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

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

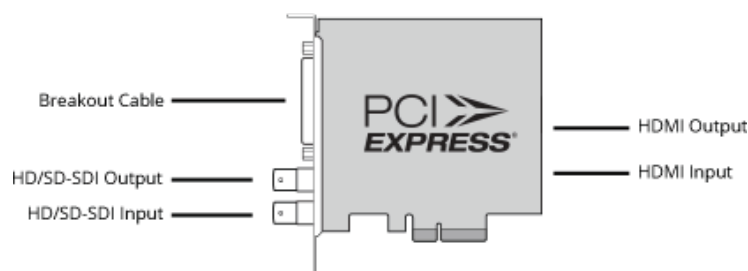
HDMI Audio Input : 2 Channels embedded in SD and HD.

HDMI Audio Output : 2 Channels embedded in SD and HD.

Sync Input : 1 x sync input. Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format.

Device Control : Sony™ compatible RS422 deck control ports. Serial ports TxRx direction reversible under software control.

Computer Interface : PCI Express 1 lane, compatible with 1, 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 1 lane, compatible with 1, 4, 8, 16 lane PCI Express slots. Please see the full system requirements for Mac OS X and Windows 8. Mac OS X systems require an Intel-based Mac Pro computer.

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, Autodesk Smoke, Adobe Photoshop.

Other supported applications include: Steinberg Nuendo, 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 and 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 and 292M.

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. Closed captioning.

Audio Sampling : Television rate of 48kHz and 24 bit. - **Video Sampling** : 4:2:2 - **Color Precision** : 10-bit - **Color Space** : REC 601, REC 709

HDMI Configuration : HDMI automatically configures to connected display. - **HDMI Resolution** : Pixel for pixel up to HD resolution.

HDMI Color Precision : 10-bit - **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 and 1.5 Gb/s HD-SDI.

Copy Protection : HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.

Processing

Colorspace Conversion : Hardware based real time.

HD Down Conversion : Built in, high quality hardware down converter always outputs to SD-SDI, Composite and S-Video when working in HD video formats. Component output can be switched between HD or SD. Selectable between letterbox, anamorphic 16:9 and center cut 4:3.

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

What's Included

DeckLink Studio, Software CD, Breakout cable for analog video and audio, RS-422 deck control, composite, S-Video and SD-SDI down conversion, HDMI bracket

Warranty : 3 Year Limited Manufacturer's Warranty. Excluding connectors, cables, cooling fans, fiber optic modules, fuses, keyboards and batteries which will be free from defects in materials and workmanship for a period of 12 months from the date of purchase.