Blackmagicdesign

Blackmagic DeckLink v5.0

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Windows XP™

About DeckLink Software

DeckLink Software v5.0 supports all models of DeckLink video capture cards.

This update includes a host of new features including full support for loads of real time effects via the Adobe Effects library when editing in Premiere Pro 1.5 with DV format video.

Other new features include genlock timing adjustment in standard definition DeckLink cards as well as the new Blackmagic FrameLink utility which lets you mount AVI movies as a volume of DPX-formatted still frames.

FrameLink allows instant access to any frame in the movie and is perfect for dirt and scratch removal. It is especially useful with high-end software used in the feature film industry which commonly lacks support for the AVI format. FrameLink for Windows also allows the frame volume to be shared, so you can network render, and the AVI movie is dynamically built as frames are saved into the shared volume from each render node.

FrameLink is great for all users who need to instantly edit or paint any frame in an AVI movie without wasting time rendering out the entire movie.

New in DeckLink v5.0 Software

• DV capture and playback, of AVI files, in Adobe® Premiere® Pro 1.5 with DeckLink cards.

• Adobe RealTime Effects supported in DV edit mode with Premiere Pro 1.5.

• DV media, in AVI & QuickTime™ formats, can be placed on an uncompressed SD or HD timeline and played out via a DeckLink card.

• Support for mixed formats in the same timeline without the need to render. Supported formats are : Uncompressed AVI, Uncompressed QuickTime, DV AVI, DV QuickTime, TGA sequence and BMP sequence (TGA and BMP SD only).

• FrameLink Software. Mount AVI movies as a volume of DPX formatted still frames. This allows instant access to any frame in an AVI movie, as well as instant saving of frames back in to the movie. Perfect for dirt and scratch removal, network rendering, and feature film work.

• Genlock timing adjustment support on standard definition DeckLink cards.

• Major update to DeckLink's DirectShow support since the DeckLink v4.8.1 drivers.

DV Support

DV capture and playback, in the AVI file format, is now included in the DeckLink v5.0 drivers. This allows DV capture from domestic DV cameras via FireWire, and then editing and play out to a DeckLink card, or capture to the Blackmagic DV easy setup from a tape-deck such as Digital Betacam™ for a great offline solution. An EDL can then be made of the offline cut to recapture and master at full 10 or 8 bit uncompressed resolution. The current widespread use of DV and DVCam in production makes this new DV capture and playback feature extremely useful.

There is no need for "conforming" as the mixed file formats can be mastered to tape straight away.

The DV-based real time effects in Premiere Pro 1.5 are built into the application itself, so when editing in this mode, RealTime Effects supported by the Adobe render engine are supported via the Blackmagic outputs.

Genlock Timing Support

A genlock timing adjustment has been added to the DeckLink control panel for use with standard definition DeckLink cards. This allows fine adjustment of genlock timing which is important for facilities running house sync over long distances with multiple pieces of equipment requiring genlock.

Previous Feature Updates

• Photoshop plug-in adds support for grabbing a still frame from the DeckLink video input directly into Adobe Photoshop. Support for 8 or 16 bit RGB for full bit depth frame grabs. A plug-in for Photoshop output allows still frames and graphics to be output to DeckLink's video output. This overrides the desktop for output and switches on and off as Photoshop is switched to the active application.

• Single Field mode eliminates flicker when playback is paused in a similar way to how many broadcast decks pause video. Enable this setting via the DeckLink control panel. If you're editing with video that has 3:2 pulldown or other field movement, this setting allows for a much cleaner display when playback is paused. If you're working with fame-based graphics material, then frame-based pause allows a full resolution pause.

• VariCam support with under/over-cranking. VariCam header is read in real time during video capture on all DeckLink HD models, and flagged frames are automatically captured.

• Split HD/SD down conversion allows simultaneous HD and standard definition output at the same time. This down conversion is based in hardware and supported in the DeckLink HD Pro Dual Link card. Selection is via the DeckLink control panel down conversion setting.

• Anamorphic Down Conversion. Hardware down conversion supports anamorphic 16:9 down conversion. Down conversion selection does not require applications to be quit to take affect.

• Support for internal keying in HDTV 1080 using Blackmagic LiveKey. Supported on DeckLink HD Plus, DeckLink HD Pro (single link) and newer models of the DeckLink HD Pro (dual link).

• Support for DeckLink HD Pro (dual link) and 4:4:4 10 bit RGB capture and playback.

• RGB 10 bit 4:4:4 codec. Easy set-ups for Premiere Pro and Blackmagic Deck Control software for 10 bit RGB 4:4:4 capture and playback. Supported on DeckLink HD Pro (dual link) only.

• Mode to preserve VANC data when capturing, can be enabled in the DeckLink control panel. You can use up to 3 video lines at the top of a captured QuickTime movie file to store any 3 lines from vertical blanking. This allows 3 line timecode, vertical interval test signals, subtitle info or any other VANC data to be preserved between capture and playback. Software applications can also access these lines if required.

• Addition in DeckLink control panel to allow either the analog or SDI outputs to be stable black in capture mode so decks can be referenced to the DeckLink video output when no sync reference is available. This can also be turned off so all video outputs show input video when in capture mode.

• Support for video and key output on DeckLink Pro and internal alpha keying in DeckLink 1, DeckLink 2, DeckLink Pro, DeckLink SP and DeckLink Extreme. This feature is turned on via the Blackmagic LiveKey application, and simple keying and control is also provided in this application.

• Blackmagic Disk Speed Test included for "real world" disk array speed testing.

• HD RGB QuickTime output for previews in RGB based applications such as Adobe After Effects™ and AutoDesk® Combustion®.

• Support for DeckLink Pro, DeckLink SP and DeckLink Extreme, with System Preference selection for adding 7.5% video setup for analog video, and selecting analog to Y, B-Y, R-Y or composite NTSC/PAL video.

• Support for 23.98 fps inverse telecine capture, and 23.98 fps playback with 3:2 pulldown insertion.

• Uses built in VITC reader to reference A frame location by selecting the A frame timecode frame number in the DeckLink control panel. Once A frame has been set, any in and out points can be captured, and inverse telecine is always accurate.

• 64 Bit RGB rendering support in the Blackmagic QuickTime codec in Adobe After Effects.

Adobe After Effects Preview Output

To allow Adobe After Effects to output to the DeckLink, you can either choose to drag your document over to the DeckLink desktop, or you can select the DeckLink RGB output in the After Effects setup. Using the DeckLink RGB output allows After Effects to update on the broadcast monitor live when you work on compositions, and is an extremely useful feature.

Recommended System requirements

As these are constantly updated please visit the link below on the Blackmagic Design website.

http://www.blackmagic-design.com/support/detail.asp?techID=47