CLIPSTER®

the one-stop DI solution

DVS

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CLIPSTER® will get your projects in SD, HD, 2K or even 4K going. It is the perfect solution for conforming and finishing uncompressed data in any workflow. It offers stunning hardware power and innovative software for unrivaled flexibility and can be used in any video or film postproduction environment. In the high-end digital film post workflow, CLIPSTER® takes on special tasks in real time like creating dailies, conforming and versioning in any desired video and file format.

In an HD production house, CLIPSTER® performs all the important jobs related to HD and film projects. Whether it's real-time online editing of multiple video formats, color correction or film restoration – CLIPSTER® gets the job done in highest picture quality. With its attractive price, CLIPSTER® accelerates your workflows in a future-proof package designed for unbeatable return on investment.

High performance:

· Real-time effects up to 2 x 2K RGB 12 bit
· Real-time playback of 4K RGB 10 bit DPX file sequences
· Multiple video formats with real-time converting

High quality:

· Real uncompressed video up to 4K RGB 16 bit
· Real-time effects in 16 bit
· Original native content is directly used for real-time processing

Open platform:

· Windows® XP workstation with direct capture into NTFS
· Real-time support of graphic file sequences like DPX, TIFF, Cineon®, TGA, BMP etc.
· OpenFX plug-in interface

Professional User Interface

CLIPSTER® users value its powerful and highly intuitive graphical interface which makes it a cinch to get great results on the fly. With multi-format track capability and handy input devices such as the optionally available trackball color correction panel, CLIPSTER® offers unsurpassed ease of use.
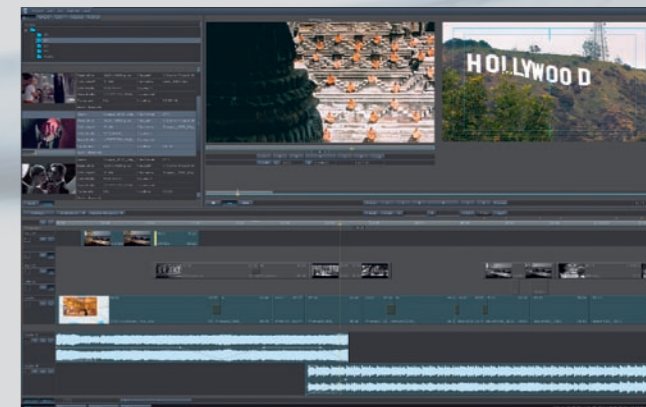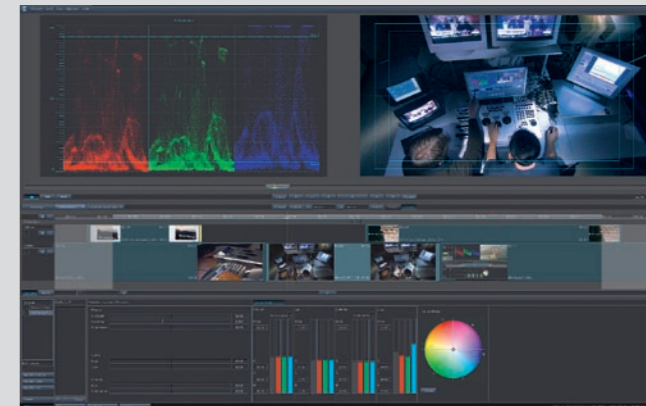
Ingesting and conforming data

CLIPSTER® can handle any type of media in any resolution, bit depth, color space or file format in real time. With its standard HD-SDI dual-link interface, 2K video from a telecine can be captured via HSDL. For SAN environments, DVS offers a central storage unit – the DVS-SAN – which can be used in combination with CLIPSTER® to provide end-to-end functionality for your entire DI workflow. If the project demands offline editing, CLIPSTER® can conform your data either by batch capturing or autoconforming from an EDL up to 4K.

Innovative data management by Spycer™

For optimal file management, CLIPSTER® features media management based on DVS' new content management system Spycer™. With this application filenames and metadata of clips can be searched, shown and easily edited as well. Intelligent copy and defragmentation tools from DVS are managing the data on the harddrives in a perfect way for getting high performance.

Creating real-time emotions

CLIPSTER® works with multiple resolutions in real time, and a whole range of effects can be applied: primary and secondary color correction, rotation, flip/flop. Zooming and panning, cropping and transitions work in real time. CLIPSTER® is supporting the OpenFX plug-in interface for extending the effect feature set. Such extensive functionality, creative speed and simple handling make editing a joy and inspire creativity. Its open platform captures video as graphic file sequences directly into the Microsoft Windows® file system (NTFS). CLIPSTER's open architecture supports most popular compositing and restoration tools.
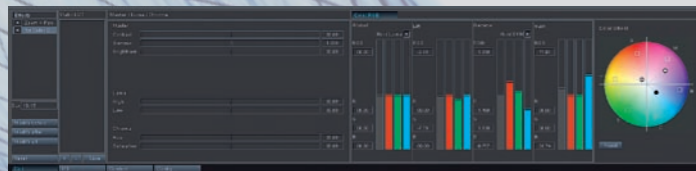
Finishing and versioning

CLIPSTER® has an extensive tool set for finishing and last-minute changes. The unit's real-time color correction, editing, cropping and its zoom and pan capabilities are designed for maximum efficiency, with the added benefit of being able to tackle everything with a single system – including versioning of the completed film in real time. Using the huge file format support of CLIPSTER® allows to create QuickTime, Windows® Media Files, MXF or JPEG2000 sequences even in X'Y'Z' color space.
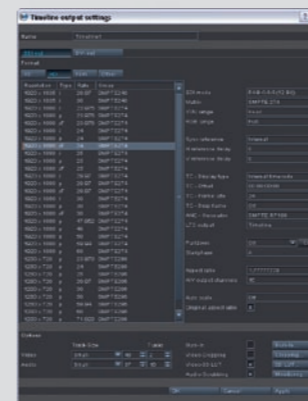
Your benefits

· Real-time playout of up to 4K under the Windows® file system
· Uncompressed RGB via dual-link HD-SDI interface
· Conforming and editing of SD, HD, 2K & 4K in RGB 8/10/12/16 bit
· Tools for color grading
· Clips of various formats on one timeline
· Finishing with real-time effects
· Versioning in any desired video and file format
· Open platform with plug-in interface
· Supports all popular effects and compositing tools
· Intuitive and efficient graphical user interface

Key features
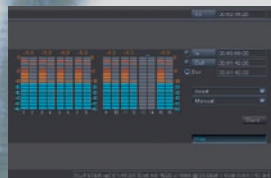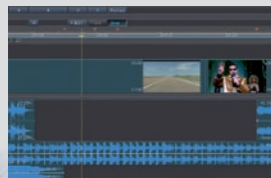
Editing

· Multiple video tracks
· Multiple video formats
· Two-point, three-point and four-point editing
· Insert and overwrite modes
· Full trim and move capabilities
· Timeline thumbnail view
· Easy transitions between clips
· Undo/redo and autosave function
· EDL for exchange and conforming
· Comparison between offline and online version
· Burn-In for customizable text, timecode, key-code and framenumbers
· Customizable settings and shortcuts
· Frame repetition for stills creation
· Time stretching
· Timecode or frame readout
· Finalizing: creation of new clips from the project

Effects

· Zooming (up- and downscaling) in real time
· Panning in real time
· Rotation and flip/flop
· Scaler control for color correction systems*
· Real-time cropping
· Primary color correction in real time
· Secondary color correction with shapes*
· 3D look-up tables for color management*

· Dissolves in real time, also between different formats
· SMPTE wipes in real time, also between different formats
· Color space conversion in real time (YUV ↔ RGB ↔ X'Y'Z')
· Key framing for effects
· OpenFX plug-in interface

Media management

· Unlimited number of nested folders
· Detailed content information
· Different content views
· Thumbnails with shuttle functionality
· Clip copy and deletion
· File formats: DPX 8/10/12*/16*, Cineon®, BMP, TIFF 8/12*/16*, YUV 8/16, TGA, MXF, QuickTime, RGB, WAV, AIFF

I/O tool

· Manual capturing
· Interval capturing for time-lapse video
· Log and capture via RS.422
· Batch capturing and autoconform (EDL)
· Capture list creation from an EDL, logging or importing Excel files
· VTR emulation mode*
· 3:2 pull-down creation and removal
· Recording directly on the Windows® file system
· Multi-format recording on a single partition

Video formats

· SD: 525i/59.94   720 x 486 (D1) and 960 x 486 (D5)
     625i/25   720 x 576 (D1) and 960 x 576 (D5)
     625i/24   720 x 576 ('Slow PAL')*
· HD: 1280 x 720p   /23.98/24/25/29.97/30/50/59.94/60
     1920 x 1035i   /29.97/30
     1920 x 1080i   /23.98/24/25/29.97/30
     1920 x 1080psF   /23.98/24/25/29.97/30
     1920 x 1080p   /23.98/24/25/29.97/30/50*/59.94*/60*
· HSDL: 2048 x 1556psF   /14.99/15/19.98/20
     4096 x 3112psF   /5*
· 2K: 2048 x 1556i   /23.98/24
     2048 x 1556psF   /23.98/24/30
     2048 x 1556p   /23.98/24/30
· 4K: 4096 x 3112*; 4096 x 2160*; 3860 x 2400*
· YUV 4:2:2, RGB 4:4:4
· Video formats in 8/10/12*/16*bit
· Support of Variable Frame Rate*
· Export to WMV, QuickTime, MXF and JPEG2000

Audio

· Audio sampling frequency: 48 kHz
· Sample rate conversion
· Unlimited audio tracks for editing
· Sample and frame-based editing
· Supports WAV and AIFF
· Real-time cross-fades, fade-ins and fade-outs
· Real-time mixing with volume control
· Audio scrubbing
· Routing for each audio track

I/O, sync and remote controls

· SD-/HD-SDI input and output in YUV(A) or RGB(A) 8/10/12* bit (single/dual link)
· DVI output
· Analog RGBS output, DVI connector
· SD down-converted output in PAL/NTSC
· 16 channels of 24-bit digital audio, 48 kHz I/O (AES/EBU and embedded audio)
· 2 analog stereo monitor outputs
· RS.422 in & out

Platform specifications

· Dual Pentium 4 Intel® Xeon™ processors
· Up to 4 GB RAM
· Networking with up to 1000 Base-T (gigabit ethernet)
· DVD writer
· 9 x 12" (A4 regular) graphic tablet with pen, wireless mouse and keyboard
· Internal video/audio storage, e.g. 800/1600/3200/7000 GB
· 2K: 41/82/163/332 min. (2048 x 1556/24 fps/10 bit/4:4:4)
· HD: 94/188/377/769 min. (1920 x 1080/24 fps/10 bit /4:2:2)

Optional hardware

· CLIPSTER® Color Correction Panel
· RAID protected storage
· Interfaces for third-party SAN

* available as an option

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Please check
www.dvs.de
for further information

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