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EDIUS 2.0

Professional Editing Software



canopus SCALABLE TECHNOLOGY

canopus MEDIA TECHNOLOGIES

canopus EFFECTS TECHNOLOGY

canopus

www.canopus.com



EDIUS - Professional Editing Software

Realtime Editing Redefined

For the first time, editors can now seamlessly edit, mix and output DV, MPEG-1, MPEG-2 and uncompressed video with true realtime render-free operation. EDIUS 2.0 redefines video production productivity with realtime multi-format, multi-track editing and timeline output to DVD using a standard desktop or notebook PC.

The EDIUS Engine

Design specifications for EDIUS have ensured the highest standard in quality, speed, flexibility and most importantly, stability. The EDIUS engine is multi-threaded, supports multiple CPUs, Intel® and AMD Athlon™ special CPU instructions (Hyper-Threading, MMX, SSE and SSE2, 3DNow!) and features full YUV color space processing.

EDIUS incorporates Canopus's highest quality media technology, effects technology and legendary scalable technology to deliver breakthrough realtime editing performance not available on any other system. The engine operation is resolution independent and frame rate independent to enable future support of new video and audio formats. Aspect ratios are converted automatically in realtime. MPEG-2, DV and uncompressed video clips seamlessly edit and mix without requiring rendering, while uncompressed animations with alpha-channel information key in realtime. All of this is possible with EDIUS 2.0, and all with Canopus's renowned realtime DV output processing technology.

The EDIUS engine is engaged by an intuitive user interface to deliver robust, powerful features including unlimited video, audio, title and graphics tracks, audio waveform display, voiceover recording to timeline, unlimited undo / redo, realtime filters, keying, Picture-in-Picture handling and 2D / 3D transitions. Extensive timeline editing capabilities include three-point, four-point, ripple, slip and slide editing as well as audio / video split editing.

The EDIUS engine is an editing platform for the future. EDIUS will continue to evolve and scale to meet the editing and delivery challenges presented by tomorrow's new media formats.

EDIUS 2.0 Key Features

User Interface

Floating window user interface for easy workspace customization.

(Customizable for single and dual monitor setup)

> Dual or single preview windows (recorder and player)
> Up to 10 user-definable workspace layouts
> Customizable toolbar buttons
> User-definable effects presets and folders
> Re-mapping of missing media clips
> Timecode and VU meter overlay display
> Timeline window
> Bin window
> Effect selector window
> Information window
> Marker window
> Realtime waveform and vectorscope window
(available while capturing and previewing video)

Timeline Editing

Fast and flexible timeline editing for efficient workflow and increased productivity.

> Unlimited video tracks
> Unlimited title and graphics layers
> Unlimited audio tracks
> Audio waveform display
> Transparency track keyframe
> Audio volume / pan keyframe
> Lock / Hide tracks
> Three-point editing
> Four-point editing (fit to fill with realtime speed control)
> Ripple editing
> Slip, slide and roll editing (performed while viewing in / out points)
> Video / audio split editing
> Voiceover recording support
> Realtime audio mixer
> Multiple clip selection and deletion
> Clip division through all tracks
> Transition on same track (all tracks)
> Transition between video tracks
> ShuttleScrub preview window control
> Unlimited undo / redo levels
> Auto save feature

Effects

> Simultaneous realtime effects for unlimited creativity
> Realtime video and audio tracks
> Realtime title and graphics tracks
> Realtime filters
> Realtime chroma and luma keying
> Realtime 2D and 3D transitions
> Realtime 3D perspective Picture-in-Picture
> Realtime title effects

Titles

> Inscriber® TitleMotion®
> Realtime roll / crawl
> Animated titles with 3D effects and motion

Video Clip Bin handling

> Group selection of media
> Multiple folder support
> Detailed list folder view
> Media clip search options
> Clip sorting functions:
  - File name
  - Clip name
  - File size
  - Date

Video Input

> Full DV deck control capture
> Batch capture
> Direct-to-timeline capture
> Automatic file division capture at date and timecode break
> 32-bit uncompressed video import
(for video clips with alpha)
> Analog deck control capture with RS-422
(when using DVRex RT Professional)
> MPEG video capture support from Canopus MPEGPRO series (MVR1000SX and EMR100), MVRD2200 and Amber

Video Output

> Realtime DV output from timeline
> Embedded timecode on exported video
> TGA file sequence export
> MPEG-1 and MPEG-2, Windows Media™, RealVideo®, QuickTime™ and DivX® export via ProCoder Express for EDIUS
> Direct-to-DVD timeline export
> Hardware MPEG encoder support for Canopus DVStorm, DVRex-RT, MVR1000SX and Amber
> High-quality Canopus DV and MPEG codecs

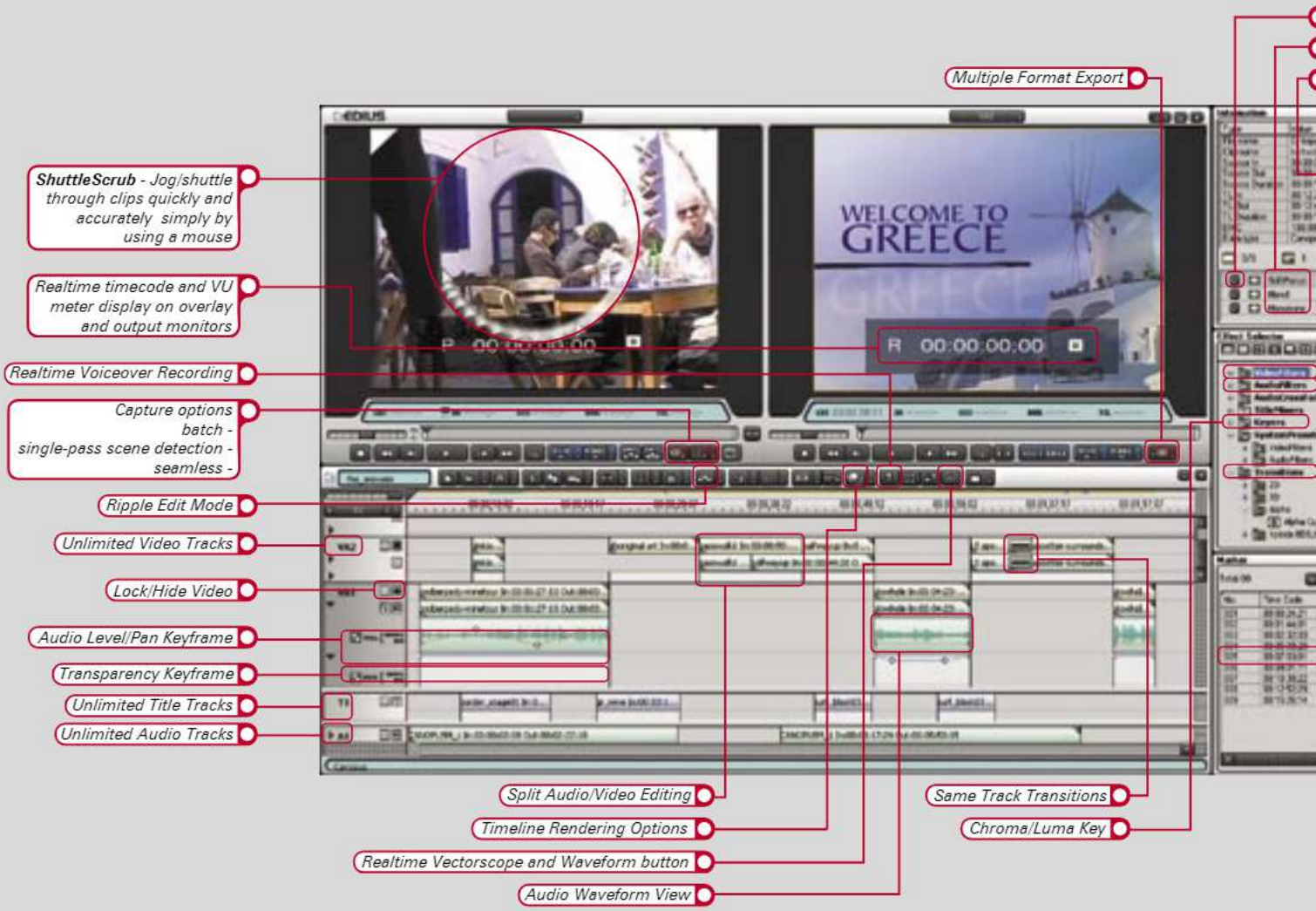
Hardware Support

> IEEE 1394 FireWire
> DVRaptor RT2 series
> DVStorm series
> DVRex RT series

The EDIUS User Interface

EDIUS breaks new ground in editing productivity and workflow with a fast intuitive user interface. Every interface detail and edit procedure has been extensively researched for the best implementation. The EDIUS interface provides editors with instant responsiveness when maneuvering through the most complex timeline projects and while handling hundreds of clips.

Virtually every aspect of the user interface is customizable, from single or dual monitor views, window positioning and layout, available buttons, effects presets and Bin window listings.

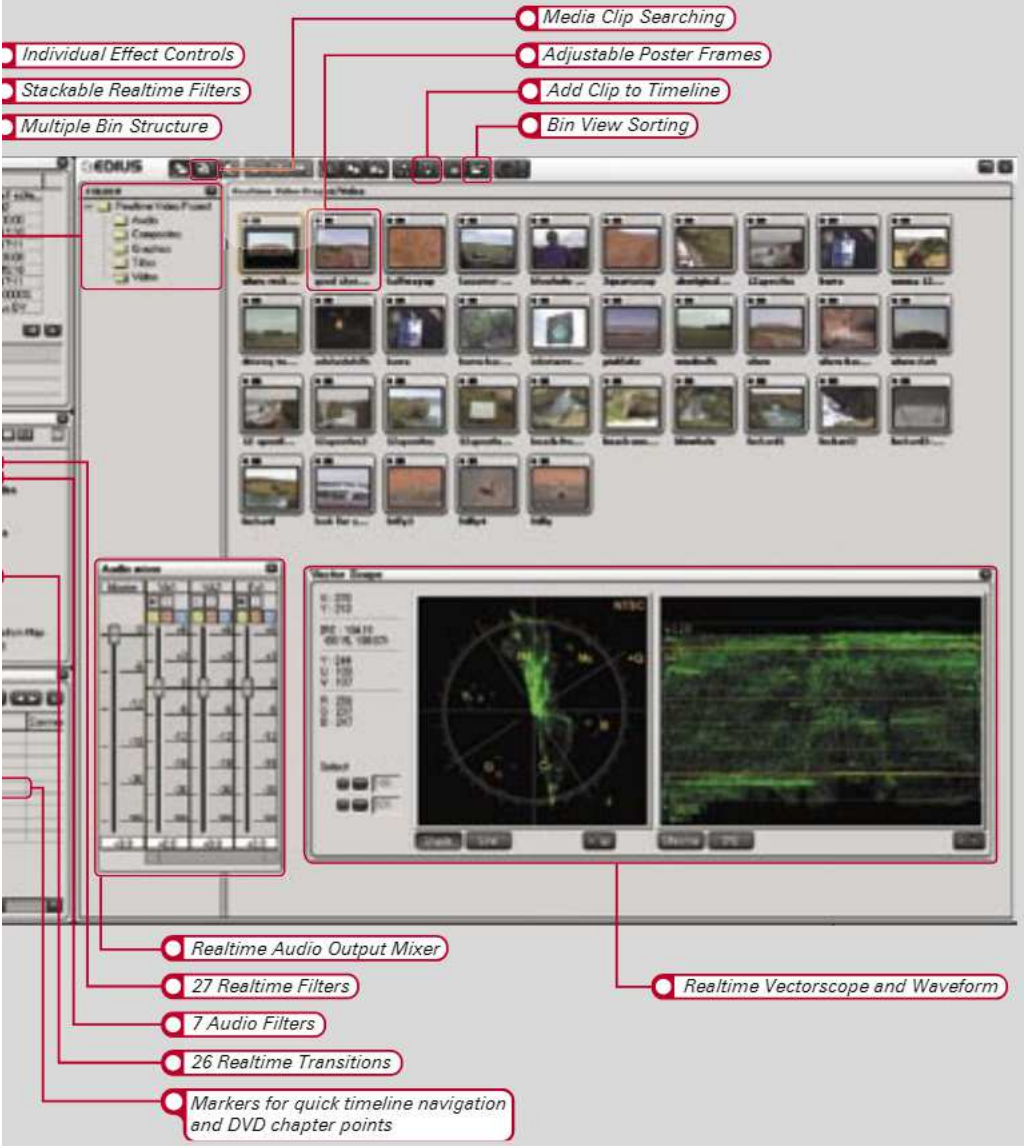




> Quickly and accurately adjust edit points with the Slip Edit preview mode



> Capture directly to MPEG using Canopus MPEGPRO series (MVR1000SX and EMR100), MVRD2200 and Amber





> EDIUS features unlimited video, audio and title tracks



> Record additional audio directly to the timeline (requires soundcard)

EDIUS Effects Technology

EDIUS integrates Canopus's effects technology to provide editors with a new level of artistic video tools and creativity.

With the ability to stack realtime video filters, editors can create limitless combinations of complex effects and composites quickly while maintaining render free, realtime output. EDIUS comes with a collection of commonly used preset effect configurations, and can store customized effect combinations and settings for future use in new projects.

Realtime Video Effects

The Effect Selector window contains 27 realtime video filters including White/Black Balance, Color Balance, High Quality Blur, Old Movie and Region. In addition, there are realtime YUV keying effects for use in compositing, Chroma Key and Luma Key. EDIUS also features a fully customizable 2D/3D Picture-in-Picture effect. All effects in EDIUS are easily adjustable and may be combined to produce a desired result.



> *White Balance*



> *Chroma Key*



> *Effects Selector*

Xplode for EDIUS and EDIUS FX Realtime 2D and 3D Transitions

Featured in EDIUS are Xplode for EDIUS and EDIUS FX, advanced 2D and 3D video effect engines. These transition effects packages feature proprietary Canopus Effects Technology and provide the power to create stunning and professional quality video transitions. With over 40 transition groups to choose from, each with customizable options for control and numerous presets, Xplode for EDIUS and EDIUS FX provide sophisticated power for the demanding video editor.

EDIUS also supports Canopus's visual effects packages, Xplode Professional 4.0 and PhotoAlbum 2.0, which can be incorporated seamlessly into the editing software.



> *Cube Spin*



> *Cube Spin Configuration*

Realtime Titling and Inscriber TitleMotion

EDIUS is capable of unlimited simultaneous realtime title and graphic layers. Motion and opacity controls allow each layer to behave differently. Title Motion Filter effects within EDIUS include Blur, Dissolve, Slide, Wipe and Laser.

Inscriber TitleMotion, included with EDIUS 2.0, allows users to quickly and easily create polished, high-quality video titles, complete with 3D effects and animation. Editors can choose from 200 pre-designed titling templates, and then simply type in their text. In addition to templates, users have the freedom to generate their own title compositions.

Video editors can craft their look through text placement, sizing, kerning, width, leading and slant adjustments. With the TitleMotion FX editor, titles and logos can be brought to life with sophisticated 3D movement and animation keyframing. For added flexibility, TitleMotion can import a background image and produce credit rolls and crawls, which EDIUS can output in realtime.

TitleMotion is a television-quality character generator that uses Inscriber's award-winning technology employed by broadcasters around the world.



> ***Inscriber TitleMotion*** *- Create static, rolling, crawling or animated titles from preset or custom artwork*

Timeline Exporting and DVD Burning

The output quality of a completed video project is just as important as the editing process itself and EDIUS addresses this by providing fast, high quality, multiple format exporting capabilities out of the box. EDIUS 2.0 can export to DV, uncompressed AVI and even TGA sequences for animation purposes.

Included with EDIUS, is ProCoder Express for EDIUS. This acclaimed, easy-to-use, high-quality transcoding application streamlines the export process by operating within a wizard-style interface. With just a few mouse clicks, ProCoder Express can export an EDIUS project into any popular video format at very high speeds. Supported formats include multipass, variable bitrate MPEG-1 and MPEG-2, Windows Media™, QuickTime™ and RealVideo®. ProCoder Express for EDIUS also includes the full version of DivX Pro™.



> ***ProCoder Express*** *- The wizard-style interface simplifies choosing the right export format*



> ***ProCoder Express*** *- Advanced options are available for fine-tuning export format quality settings*

With systems that feature a DVD writer drive installed, ProCoder Express can encode and burn DVD discs directly from the timeline, including chapter points as marked from within the project itself.

ProCoder Express for EDIUS not only acts as an EDIUS exporter, but it can operate as a standalone application. This is especially useful for transcoding footage into a format that EDIUS can recognize, and for creating a "watch" folder to automatically encode any video clips that EDIUS renders.

EDIUS 2.0

Specifications

Package Contents

- EDIUS 2.0 installation CD-ROM
- EDIUS 2.0 tutorial DVD
- EDIUS 2.0 reference manual
- EDIUS 2.0 tutorial manual
- EDIUS 2.0 keyboard shortcut card

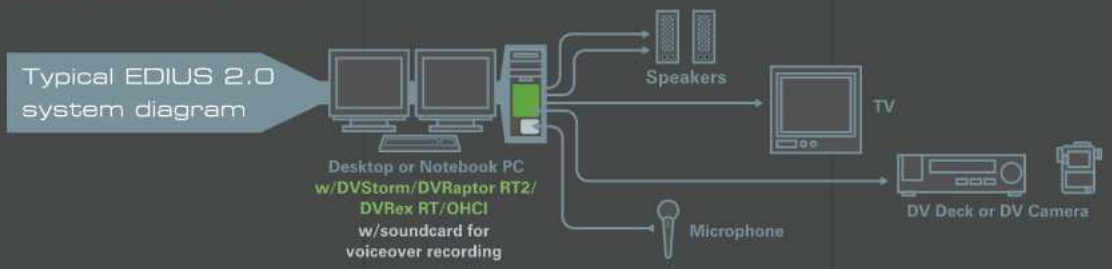
Minimum System Requirements

- Intel® Pentium® III 1.0GHz CPU or faster (2.4GHz CPU with Hyper-Threading support recommended)
- 256 MB RAM (512MB RAM recommended)
- 700MB free disk space
- Windows® XP Home or Windows® XP Professional
- Graphics card with hardware-based DirectDraw overlay and 32-bit color display at a 1024x768 resolution
- ATA100/5400rpm hard disk or faster recommended (requires Ultra SCSI 160 or better when playing two streams or more while reading uncompressed files)
- Soundcard
- Internet connection for activation

Service and Support

- 90 day limited warranty
- Access to the EDIUS 2.0 registered users website at www.canopus.com

EDIUS System Diagram





EDIUS 2.0 is designed to work with both OHCI and Canopus realtime DV hardware. OHCI functionality provides support for a wide range of systems and importantly, notebook compatibility. Canopus realtime DV editing cards greatly increase the realtime performance of EDIUS 2.0. RAM optimization and the onboard hardware realtime DV codec relieve the system CPU of rendering, providing EDIUS 2.0 with more power for complex, multi-track compositions.

SOFTWARE DivX® LICENSED PRODUCT™

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