GRASS VALLEY GROUP

VIBRINT NEWSEDIT™

NONLINEAR HARD NEWS EDITING

PRODUCT DATA SHEET



Vibrint NewsEdit is the only truly open PC-based editing system designed from the ground up to replace the record deck in cuts-only editing bays. NewsEdit offers all of the advantages of nonlinear technology while preserving the speed and familiar conventions of tape-to-tape editing making it ideal for hard news production. In fact, by eliminating pre-digitizing and allowing editors to see edits as they are made, NewsEdit is easily twice as fast as other nonlinear editing systems.

FEATURES

- Replaces record deck in two-machine, cuts-only edit bay
- Simple to use, even for non-technical personnel
- Seamless integration with leading newsroom computer systems (NRCS)
- Matches the speed of tape-to-tape editing
  - Record from tape to disk without pre-digitizing
  - View edits as they are made
  - Insert edits, voice-overs, L-shaped cuts, three-point edits, and audio/video punch-in
- Offers flexibility of nonlinear editing
  - Make multiple versions quickly
  - Add transition effects
  - Overwrite and splice edits
- Standards-based PC platform featuring Intel® Pentium processor, Microsoft® Windows NT® operating and file system, MPEG2 video, and standard networking and storage.
- Easy to upgrade through simple software updates and board swaps
- Integrates via high-speed networking with other NewsEdit systems, Vibrint FeedClip™, Vibrint NewsQ™ and Profile® Media Platform for either ingest or news playout

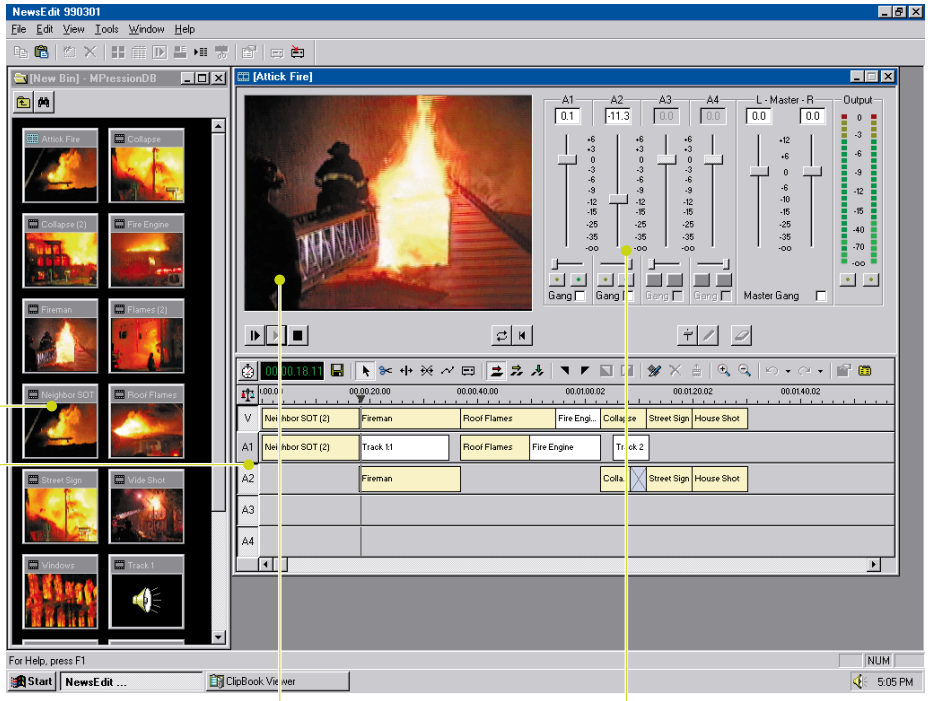
Tuned for the Fast Pace of Hard News Production

Twice as fast as other digital editing systems, the Grass Valley Group's Vibrint NewsEdit system is designed expressly for hard news production and the emerging workflows required to meet the incessant demand for new content.

NewsEdit delivers all of the benefits of nonlinear technology – including instant random access, multiple levels of undo, transition effects, and the ability to quickly make new versions. NewsEdit eliminates the time-consuming pre-digitization process, allowing editors to record directly from tape to disk and to perform insert edits, voice-overs, L-shaped cuts, and three-point edits quickly. Unlike most other nonlinear editing systems, NewsEdit enables editors to view edits as they are made. An edit never has to be replayed just to be sure it's right.

NewsEdit supports journalists, producers, and editors need to multitask in today's break-neck paced hard news environments by converging video and text on a single workstation. The system integrates seamlessly with popular newsroom computer systems, including Avstar, NewStar and ENPS. Journalists, producers, and video editors can view rundowns, read scripts, and edit video all on a single PC, making it easier, faster and more efficient to bring breaking news to air. Using Microsoft Windows NT search commands, editors can locate and open text scripts, verify read rates, and edit video to precisely match the text. Editors can also monitor the newsroom rundown knowing exactly when their package is slated to air.

THE NEWSEDIT USER INTERFACE



Media Bin

Used for organizing clips and storyboarding packages. Bins can be viewed in either thumbnail or text mode and clips can be quickly sorted and sifted by name, duration, description, and other familiar database categories.

Timeline

Allows editors to view an entire story while editing. The timeline supports one track of video and up to four tracks of audio. Clips and voice-overs can be recorded directly to the timeline or imported from the media bin. From within the timeline, clips can be trimmed with frame-accuracy, split, moved, or reordered. Effects, such as crossfades, dissolves, and wipes, can be added quickly.

Video Window

Allows viewing of media that is being recorded or played back. When performing trim edits, two or more video windows in the user interface display the respective in and out points of consecutive clips. Because NewsEdit can record and play back simultaneously, it can imitate a record deck's PB/EE capability in an insert edit. NewsEdit is the only nonlinear editing application to retain this familiar convention relied upon by tape editors.

Dynamic Four-Track Audio Mixer

Provides the ability to modify four tracks of audio individually or ganged together. Each channel has an audio slider, pan adjustment, mute control, and soloing option. Audio adjustments can be made to an entire sequence, a clip, or a single frame. Using NewsEdit's Audio Automation feature, level changes can even be made "on the fly" while a sequence is playing.

Easy to Use, Even for Non-technical Personnel

NewsEdit is so easy to use that even non-technical personnel, including journalists and producers, can perform quick edits in pressure situations. Virtually all editing is done in a single window that changes automatically to provide just the tools needed for every type of edit. This eliminates the confusion of multi-layered windows and helps to make the edit session faster and more productive.

Standards-Based PC Configurations

Vibrint NewsEdit features intuitive news editing software running on a standards-based Intel Pentium PC. The system relies on the Microsoft Windows NT operating and file system as well as MPEG2 video and standard networking and storage. The reliance on standards-based technologies allows even the smallest stations to take advantage of price/performance gains found in the latest technologies. True to the tradition of Grass Valley Group's next-generation digital solutions, upgrading is as easy as a simple software update or board swap.

Vibrint NewsEdit is available with either a tower unit or a rackmount chassis PC. Both the tower and rackmount system include an Intel Pentium PC and a system hard drive, as well as CD and floppy drives for installing new software, upgrades, etc. Two storage bays are available for hard drives which can be 18, 36, or 72 GB drives. The PC platform acts as a "bridge technology" between the legacy broadcast infrastructure and computer-based interfaces.
It features the following:

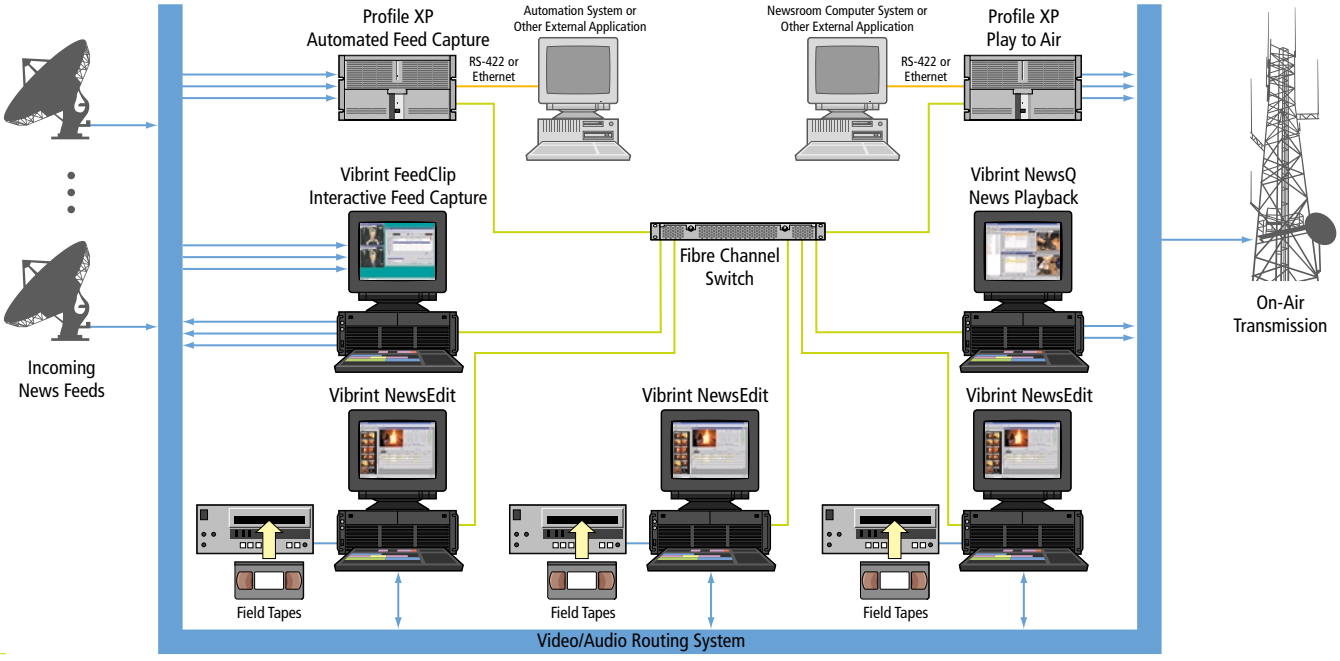
- MPEG CODEC for support of MPEG2 4:2:2 with scaleable data rates up to 20 Mb/s. The MPEG Codec is capable of encoding and decoding simultaneously.
- An Active-Breakout-video and audio processor for interfacing with current broadcast video/audio environments (analog and digital)
- Optional integrated storage capable of holding up to two drives. (Expansion is virtually limitless with the use of external storage arrays.)
- A high-speed network interface for links to multiple platforms

EDITING FEATURES

Record to Timeline	Edit directly from tape to disk without pre-digitizing just like tape-to-tape.
View Edits in Progress	NewsEdit editors see their edits as they are made – they never have to play back an edit just to check it.
Audio/Video Punch-In	Toggle individual video and audio tracks on or off while recording. Perfect for performing L-cuts on the fly.
Trimmer Window	Trims clip In/Out points with frame-accuracy. The clip trimmer can be brought up in either the media bin or the timeline views.
Overwrite and Splice Edit Modes	Overwrite edit mode performs just like an insert edit mode in tape-to-tape editing. Splice edit mode inserts a new clip between two existing clips allowing editors to insert a shot in a story without re-editing.
Transition Effects	Dissolves and wipes.
Fit-to-Fill	Insert video, including still frames, fill-frames, or variable-speed clips, into an existing hole in a story timeline.
Cut Point Edit Tool	Trims the cut point of two consecutive clips. For example, it allows the manipulation of the in point of one clip and out point of an adjacent clip simultaneously. The Cut Point Edit Tool is perfect for extending L-cuts and adding breathing room between two butted sound bites.
Knife Editing Tool	Splits a clip that exists in the timeline. Perfect for handling clips that contain multiple good shots or for removing undesired material.
Integration with NRCS	Editors can display Avstar, NewStar and ENPS text scripts and rundowns within NewsEdit window. NewsEdit and NRCS application can run on the same PC.
Mark In/Mark Out	Marks in and out points for clips in timeline, trimmer window, or on tape source.
Go To Points	Help editors move quickly through a package by jumping to: Mark In/Out, Left/Right one Frame, Left/Right 10 Frames, Left/Right one Second, Previous/Next Cut Point.
Undo and Redo	32 levels of undo/redo.
Audio Control Features	Audio Crossfades (ideal for blending natural sound or music), audio Scrubbing, Voice-Over recording, and audio fade control which enables the manipulation of individual frames of audio to create special effects such as natural sound audio spikes.
Basic VTR functions	Play from start, play, pause, rewind, fast forward, and eject.

THE DIGITAL NEWS PRODUCTION WORKGROUP

For even faster turnaround of hard news, NewsEdit can be implemented as part of a complete digital news production workgroup and can be connected via high-speed networking to the Vibrint FeedClip interactive feed capture system, Vibrint NewsQ, manual playback system, or the Grass Valley Group Profile Media Platform for either ingest or playback.



VIBRINT NEWSEDIT SPECIFICATIONS

Standard Configuration

- Intel Pentium Processor
- 128 MB RAM
- 9 GB Wide-SCSI System Drive
- PS/2 Keyboard and Mouse
- 4 Slot PCI Platform
- Vibrint Video Image Processor (VIP)
- AGP Graphics Card
- Ethernet 10/100 Network Interface on Motherboard
- CD-ROM Drive
- 1.44Mb floppy drive
- Windows NT Operating System

Video

- NTSC, 525/59.94 (240 or 248 active lines per field)
- PAL, 625/50 (288 active lines per field)
- Inputs: Composite, Y, R-Y, B-Y Component; S-VHS, CCIR 601 Serial Digital
- Outputs: Composite, S-VHS, CCIR 601 Serial Digital
- Compression: MPEG2, 4:2:2, user-selectable compression bit rates

Audio

- 48KHz 16-Bit PCM, uncompressed
- Inputs: 2-Channel, Balanced, Unbalanced, SPDIFF and AES/EBU
- Outputs:2-Channel, Balanced, Unbalanced, and AES/EBU

Timecode

- Input RS-422 and RS-232 Protocols
- LTC (NTSC/SMPTE, PAL/EBU)

Physical Dimensions

Chassis: Standard EIA Rack Mount (Floor standing tower unit available)

DIMENSIONS	CM	IN
Height 4RU	17.8	7
Width	48.3	19.0
Depth	53.0	20.8

Power Requirements

- Power: 400 Watts for rack mount system, 300 Watts for tower system
- Voltage:Switch Selectable, 120VAC @ 6.2A or 240VAC @ 3.1A
- Frequency: 47-63 Hz

Options

- RAID3, RAID5 or JBOD (RAID0) (Ultra SCSI, Fibre Channel)
- DNF Control Surfaces
- 15" or 17" Monitor and Keyboard
- 18, 36, or 72 GB Media Storage
- Media Drive Expansion Rack
- Fibre Channel or Gigabit Ethernet Network Interface Card

Warranty

Products offered by Grass Valley Group are manufactured to provide the highest level of reliability and performance. Grass Valley Group warrants these products against defects in materials and workmanship in accordance with the warranty statement applicable with each product.

Standard product warranty is one year from the date of installation or 15 months from the date of shipment; whichever is earlier. Warranty coverage includes:

- Hardware support with advance exchange of parts shipped next business day
- Software support includes automatic shipment of software maintenance releases
- After hours emergency phone support

Complimentary Services

Technical phone support via our 1-800-547-8949 number during regular business hours and technical e-mail support. In addition to our call center, we offer on-line technical resources and parts ordering via our web site at www.grassvalleygroup.com/support.

Value Added Services[1]

- **SmoothStart[SM] and On-Site Installation Support Services –** Critical startup services to get you going. These services include pre-installation planning, on-site checkout, on-site overview training as well as customized networking and system support services
- **Comprehensive Service Contracts –** Up to 5 years beyond initial warranty which includes advanced exchange of parts shipped next business day, proactive software subscription support, after hours emergency phone support and discounts on our training classes and field support operations
- **On-Site or Factory Training –** Operations, advanced operations and technical/maintenance training
- **Spares Kits –** For mission-critical applications, our parts kits ensure maximum on-air time

1) *Some value-added services are available for specific products only. Please contact your sales representative for details by product.*

Sales and Technical Support Numbers

North America
Telephone (800) 547-8949
Fascimile (530) 478-3347

Pacific Region
Telephone +852-2531-3000
Support +852-2531-3058
Facsimile +852-2802-2996

Latin America
Telephone (305) 477-5488
Fascimile (305) 477-5385

Europe, Africa, Middle East (EAME)
Telephone +44 (0) 1753 218715
Support +44 (0) 1753 218777
Fascimile +44 (0) 1753 218757

GRASS VALLEY GROUP

Grass Valley Group Headquarters
P.O. Box 599000, M/S N4-2B
Nevada City, CA 95959-7900
USA

Vibrint Product Division
10 Presidential Way
Woburn, MA 01801
USA

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