GRASS VALLEY GROUP

VIBRINT FEEDCLIP™

INTERACTIVE FEED CAPTURE

PRODUCT DATA SHEET



FeedClip, Vibrint's powerful PC-based system for interactive feed capture, enables broadcasters to turn around live events faster than is possible in all tape environments. Its increased speed and efficiency offer a distinct competitive advantage for live news events including breaking news stories, press conferences and live sports.

FEATURES

- Interactive clip selection from breaking news, sports events and scheduled feeds
- Linear or user-defined continuous loop recording
- Automarking of in/out points with single keystroke
- Retro Mark recording captures pre-defined amount of material prior to Mark In point
- Frame-accurate trimming of clips
- Optional handles setup for adjusting edit points or adding transition effects in Vibrint NewsEdit™
- Simultaneous record, scrub, and playback on one- or two-channel system
- Direct playout to air of individual clips or clip sequences
- Variable speed playback
- Group export and simultaneous sending of clips to multiple NewsEdit or playback devices
- 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
- Part of complete digital news production workgroup, FeedClip integrates via high-speed networking with Vibrint NewsEdit systems, Vibrint NewsQ™ and Profile® Media Platform

The Fastest Turnaround of Live News and Sporting Events

Broadcasters can turn around live news and sports events faster than ever with the all-digital Vibrint FeedClip interactive feed capture system. The increased speed and efficiency offers a distinct competitive advantage when news is breaking. The intuitive feed capture software runs on a standards-based PC platform. The system is easy to use - even in pressure situations - cost-efficient, and simple to upgrade as technology evolves.

FeedClip makes it easier to package sports highlights, especially for late games. Producers can monitor a game as it records to disk and mark clips on the fly. FeedClip's Retro Mark feature ensures that a crucial goal or play at the plate will never be missed. Selected clips can be organized into a playlist and are instantly available for playback. FeedClip even offers the flexibility of playing clips at normal speed or in slow-motion variable speeds ranging from 0% to 100%.

Viewer Window

Allows you to monitor video as it's recording, scrubbing, or playing back.

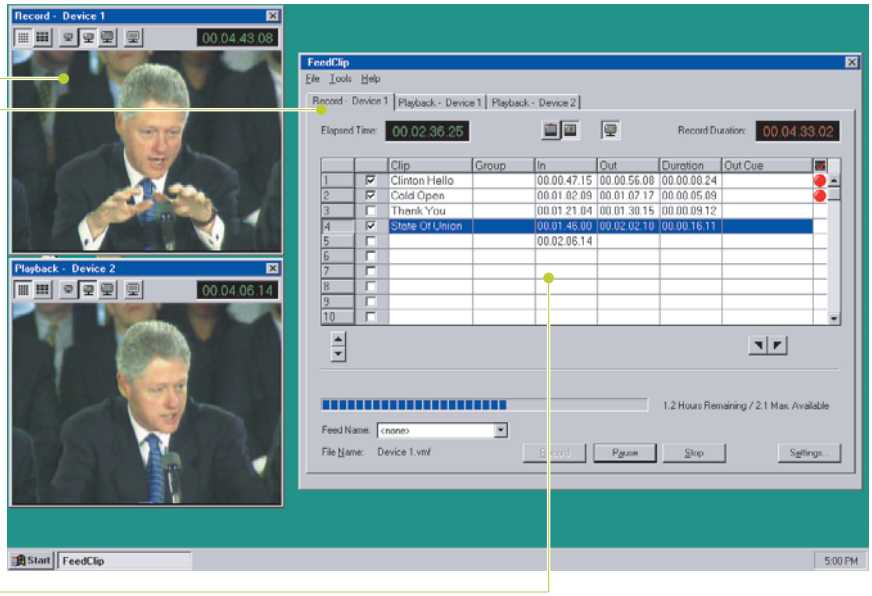
Record and Playback Tabs

Display all options for recording and playing back including Mark In/Out tools for creating clips. On the record tab, a position bar helps the operator quickly locate previously-recorded media. The playback tab features a Trimmer tool, Play/Stop functions, and slow motion controls. A unique name can be assigned to each tab.

Clip Lists

Both the Record and Playback tabs display the clip name, mark in point, mark out point, duration, and out cue. Clips can be played individually or grouped in a playlist that can be rearranged as needed.

THE FEEDCLIP USER INTERFACE



Easy to Use, Even in Pressure Situations

FeedClip has been optimized for ease of use even in pressure situations. The intuitive user interface consists of a single tabbed window that helps operators move quickly from recording to playback and from one channel to another For complete flexibility, all tasks can be executed using keyboard commands (with color-coded keycaps) or point-and-click mouse commands.

Trim and Play Clips Without Running to the Edit Bay

Vibrint FeedClip is more than a disk-based replacement for feed recording tape decks. Using FeedClip, journalists or producers can record feeds directly to disk, mark clip in and out points on the fly, and play trimmed clips straight to air without swapping tapes or sprinting to the edit bay. FeedClip's unique Automark feature makes clip selection even faster, enabling a single keystroke to define both in and out points. Clips can be played back individually or back-to-back in selected groups. Pre-Roll and Post-Roll times, both with and without audio, can also be defined for individual clips.

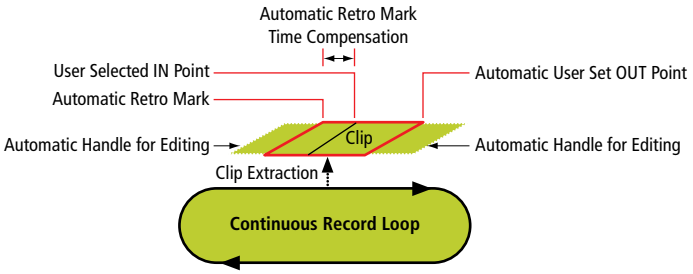
Never Miss the Big Moment

Two features help to ensure that the start of an important event or a controversial play is never missed. The Continuous Record feature defines a pre-set loop that continuously records incoming feeds to disk without user intervention. Much like a tape deck, the original material remains intact until it is overwritten. The record loop can be set to any length depending on storage capacity and clips can be extracted at any time.

FeedClip's Retro Mark feature allows users to specify any amount of time to capture automatically prior to a mark in point. When monitoring a fast-moving hockey game, for example, it is difficult to predict the exact moment when the puck will fly into the goal. With FeedClip, operators can preset a reaction time of five or 10 seconds. When the puck glides into the goal, the operator simply presses the Mark In key. FeedClip captures not only the actual goal, but also preceding seconds of setup and assists. This feature provides unprecedented speed and flexibility for creating sports highlight packages.

RETRO MARK, AUTOMARK AND HANDLES

FeedClip's unique Retro Mark feature allows you to define the time automatically captured before a Mark In point, ensuring that the start of the event is not missed even if you react a second or two late. You can select both the in and out points manually, or use Auto Mark to define the in and out points based on a predetermined clip length. The Handle Setup is used to add extra material automatically to the clip for adjusting edit points or adding transition effects.





Easily Mix Feed Material with Fresh Local Footage

Editors often need to integrate feed material with archived material or fresh footage shot in the field. For these events, FeedClip supports seamless integration with Vibrint NewsEdit™, the only nonlinear editor designed for hard news production. To make the entire process more efficient, FeedClip offers the option of adding handles automatically to Mark In and Out points. This gives editors extra material for adjusting edit points or adding transition effects during the NewsEdit session. Clips can be exported from FeedClip and transferred quickly to NewsEdit via high-speed networking or saved directly to common storage for even quicker turnaround.

Standards-Based PC Configurations

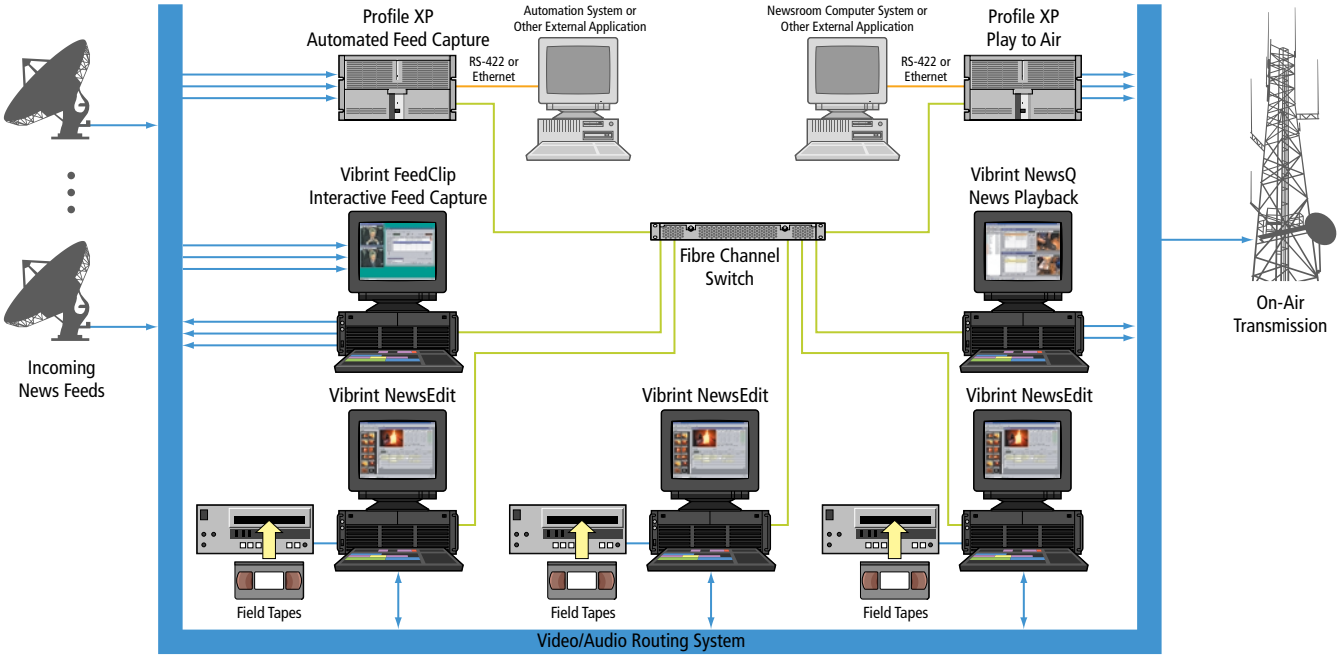
Vibrint FeedClip features intuitive news production software running on a standards-based Intel Pentium PC. The system relies on the Microsoft Windows NT operating and file system as well as MPEG2 video and standard networking and storage. The reliance on standards-based technologies allows even the smallest stations to leverage declining cost curves and take advantage of the latest technologies. Upgrading is easier too, typically involving a simple software update or board swap.

Vibrint FeedClip is available as either a one or two-channel system. Each channel is capable of simultaneous recording, viewing, scrubbing, and playback. The base computer platform includes 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 in the rackmount unit for removable 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 a scalable data rate 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. (Storage expansion is virtually limitless with the use of external storage arrays.)
- A high-speed network interface for links to multiple platform

THE DIGITAL NEWS PRODUCTION WORKGROUP

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



VIBRINT FEEDCLIP 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℠ 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.*

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