Non-Linear Editing System

TimeGate

MW-S1000U

COMPONENT DIGITAL
4:2:2

- All-in-one hybrid 4:2:2:4 non-linear editing machine provides users with streamlined and customizable operations.

- The TimeGate MW-S1000U, running under Windows NT, is capable of dual Pentium Processors, and is standard with 64 Mb of system RAM and a 12 to 27 GB gigabyte media disk array that provides dual video streams running at 40 Megabytes per second. An external expansion drive array can be added to boost total media capacity to 15 drives.

- All video input and output carried by standardized Movie II bus that supports up to 8 fully independent 270 Mb/s video streams simultaneously with Four channels of uncompressed audio.

- Live multi-layering capabilities allows the system to combine a background, two video streams that may contain 2D or 3D effects, or standard wipe patterns, and a graphic channel, down to one layer that is recorded on the media array. The new recording becomes a single video stream to be combined to yet another video stream. 2D, 3D effects and graphics make up a second, third, tenth and twentieth layer. This multi-layering process may be repeated until the desired edit is achieved. No rendering is involved in this process.

- The MW-S1000 offers editors real-time-slow-motion in forward and reverse play. Two streams of slow-motion video, one running forward and the other running backward at different speeds from 0 to greater than 500 times normal play can be achieved. Fit and Fill is also supported.

- There are high-quality, all real-time 4:2:2:4 digital 2D and 3D effects such as page turns, spheres, key frame moves, chroma keys and luminance keys as well as real-time graphics, including perspective, skew, size, rotation, axis trail, de-focus and more. All these effects can be further customized by the user and stored by name. Each customized effect can be key framed and placed on the timeline.

- A customizable user tool bar and shortcut keys offers editors more streamlined ways to work.

- There is real-time audio and video scrubbing and a waveform monitor/vectorscope. Real-time audio scrubbing is smooth enough to locate syllables or distinct sounds in an audio track. Video scrubbing allows the user to smoothly move between video frames without seeing jerky motions in the video.

- It is designed to work in tandem with JVC's D-9 format but is equally compatible with other popular analog and digital tape formats. It can be configured from input to output with all serial, digital, analog component, Y/C or composite video paths.

- The MW-S1000 has a 270 Mb/s video data bus that can support up to 8 simultaneous video channels and 4:2:2:4 processing of all 2D video effects. Its high-performance specs provide dual stream video in and out, Compression ratios from lossless to 30:1 can be selected, and any combination can be mixed on the timeline.

- The non-linear editor is capable of rolling a separate source VTR to allow instant insertion of scenes directly into the record master. This eliminates the need to batch digitize whenever HDD storage is full, or for just eliminating digitizing when possible to gain extra speed in producing the final master tape. Source VTR video and timeline video mixing will be offered in a future release.

- The MW-S1000 houses computer, all video, audio, codec, hard disk array and connectors on its back panel in one unit. The CPU motherboard is a server-type board for much greater expansion with third-party products. Networking is easily accomplished by adding the appropriate Ethernet or fiber channel interface cards, with room to spare for other application cards.

- The MW-S1000 can be offered as a turnkey package complete with speakers, monitors, cables and popular JVC VTRs. This single chassis construction allows for fast and easy installation, set-up and routine maintenance.

Quick feature overview

- Superior online picture quality ensured by 4:2:2:4 component digital processing
- 8 different compression rates ranging from "Lossless" to 30:1
- M-JPEG compression system
- Typeset-quality graphics with Inscriber CG
- Optional SDI input/output (SMPTE 259M) available to facilitate digital transfer of video to and from JVC's D-9 (DIGITAL S) format
- Real-time high-quality video editing
- Real-time effects processing
- 4 independent 4:2:2 2D DVE video channels (an optional 3D DVE is also available); 2 video channels, a graphics channel, and a background channel
- 48 kHz, 16-bit audio channels with analog or digital I/O
- VTR to VTR, Disk to VTR, and Disk with VTR A/B Roll editing
- EDL import/export
- Open Architecture conforming to industry standards for rapid modular upgrade of both hardware and software. (OS: Windows NT 4.0; Buses: PCI and Matrox Movie 2; Microsoft Direct Show; Open DML consortium extended AVI video and audio stream files).

THIRD PARTY SOFTWARE TESTED BY JVC

- 3D Graphics/animation - Kinetix 3D studio MAX, Meta Creations Ray dream 3D studio
- Paint - Meta Creations Painter, Corel Photo Paint
- Photo retouch - Adobe Photoshop, Corel Photo Paint
- Drawing - Adobe Illustrator; Video Effects - Adobe After Effects, Artel Boris AE for After Effects
- Video Keying - Ultimate for After Effects; Motion/3D effects for CG - Inscribe plug-in software
- Sound effects - MIDI Classics Wave lab, Sonic Foundry Sound Forge (EDL management/conversion - Software Grille Pre! Reader
- HDD defragmentation - Executive Software Diskeeper (Adobe, After Effects, Photoshop and Illustrator are trademarks of Adobe Systems Incorporated. All other trademarks are the property of their respective owners.)

- User support online at www.timegate.com

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