

Studio9000 VideoEditor™ General Features:

- ⇒ Compressed and uncompressed recording and playback
- ⇒ Mix compressed and uncompressed clips in the same project
- ⇒ Flexible analog video I/O: composite, component & Y/C
- ⇒ Balanced & unbalanced stereo analog audio I/O
- ⇒ Accepts optional SDI, DV (IEEE-1394) and digital audio I/O cards
- ⇒ Direct support for DV I/O through host computer's built-in
- ⇒ IEEE-1394 port or OHCI-compliant IEEE-1394 interface card*
- ⇒ Accepts optional SDI, DV (IEEE-1394) and digital audio I/O cards
- ⇒ Optional multi-channel audio capabilities featuring the Mackie® Mixtreme™
- ⇒ Hardware, with up to eight channels of audio I/O
- ⇒ Full frame 720 x 486 (NTSC) or 720 x 576 (PAL) resolution
- ⇒ Dedicated preview channel video output
- ⇒ Adjustable genlock timing referenced to video input
- ⇒ Real-time 8-channel hardware audio mixing
- ⇒ Real-time parametric audio EQ
- ⇒ Real-time 2D and 3D DVE, including picture-in-picture, perspective, warp and rotation
- ⇒ Quad-channel 3D DVE allows four simultaneous real-time 3D effects
- ⇒ 3D DVE can be applied to graphics layers and video layers
- ⇒ Real-time rolls and crawls
- ⇒ Real-time variable speed changes and reverse playback
- ⇒ 200+ customizable, keyframeable real-time 2D transitions
- ⇒ (12-bit ultra-smooth anti-aliased wipes with colored and soft-edge borders)
- ⇒ 200+ customizable, keyframeable real-time 3D transitions
- ⇒ with sub-pixel movement for superb quality
- ⇒ Fully keyframeable real-time proc amp controls and color correction
- ⇒ Real-time keyframeable chroma/luma keyer
- ⇒ Real-time support for 32-bit video files with alpha channel
- ⇒ Real-time masks and "garbage mattes"
- ⇒ Real-time blur
- ⇒ Integrated waveform/vectorscope display
- ⇒ Batch Capture, Recapture and Print-to-Tape support RS-422 and DV control
- ⇒ Stand-alone logging tool for generating batch capture lists
- ⇒ Multiple timeline support (tabbed or free-floating)
- ⇒ Multiple tabbed galleries (bins) with search and database-style detail modes
- ⇒ EyeCon View™ for constant display of picons and clip timecode of all visible layers
- ⇒ at playhead while scrubbing and aligning clips
- ⇒ Selectable A/X/B or single-track editing modes (can be toggled while working)
- ⇒ Multi-camera editing (# of cameras)
- ⇒ User definable hot keys
- ⇒ Trim window with advanced 3 and 4 point edits
- ⇒ Flexible timeline interface with independently variable track heights, mute/solo and show/hide of video and audio tracks
- ⇒ EDL import and export
- ⇒ Optional Interoperability module featuring OMF and AAF import and export
- ⇒ Render Bank™ technology remembers previously rendered segments
- ⇒ DPS Virtual Tape File System™ provides seamless integration with third party graphics/animation applications
- ⇒ DFX+ compositing and advanced effects with direct timeline integration
- ⇒ Live video processing including real-time titling and transitions
- ⇒ Real-time support of web streaming video formats
- ⇒ Export RealNetworks® RealVideo®, Microsoft® Windows Media Format™, AVI,
- ⇒ QuickTime™, MPEG-1 and DVD-compliant MPEG-2 files directly from the timeline
- ⇒ Live webcasting combining live video & audio with prerecorded footage,
- ⇒ Titles & transitions

- ⇒ Integrated remote control support for optional Panasonic WJ-MX20 switcher
- ⇒ for multi-camera live webcasting

- ⇒ Bundled DVD authoring, professional titling and audio sweetening software

Studio9000 VideoEditor™ Specifications:

Video Inputs

Composite (BNC).....1V p-p, 75 Ohm
 S-Video (4-Pin Mini-DIN):
 Y Signal1V p-p, 75 Ohm
 C Signal286mV p-p (NTSC) / 300mv p-p (PAL)
 Component Betacam (BNC's):
 Y Signal1V p-p, 75 Ohm
 R-Y, B-Y (Pr,Pb).....700mV p-p (NTSC) / 525mv p-p (PAL)

Note(s):

- 1) Video input levels correspond to 75% color bar signal, with 100% white reference bar.

Digital Video Inputs (Available with Digital I/O Option)

Serial SDI (SMPTE 259M) (BNC)800mv, 75 Ohm / Auto EQ to 300m.
 DV.....IEEE-1394

Note(s):

- 1) Embedded AES audio conforming to SMPTE-272M is supported on the SDI input. Audio may be synchronous or asynchronous with respect to both the SDI video, and system audio sample clock.

Audio Inputs

Balanced (XLR-F) +4 dBU Nominal, +20 dBU Maximum
 Unbalanced Line (RCA)..... -10 dBV Nominal, +6 dBV Maximum
 Unbalanced AUX (RCA) -10 dBV Nominal, +6 dBV Maximum
 LTC Input (RCA) 0.1-5.0V p-p

Digital Audio Inputs (Available with Digital I/O Option)

Professional Format:

AES/EBU (EIAJ CP-340, XLR) 5V Balanced, 110 Ohm
 AES/EBU (SMPTE-267M, BNC)..... 1V Unbalanced, 75 Ohm

Consumer Format:

S/PDIF (RCA) 500mv Unbalanced

Note(s):

- 1) Digital audio data may also be derived from either of the SDI or DV input data streams.

Video Outputs

Program Channel:

Composite (BNC).....1V p-p, 75 Ohm
 S-Video (4-Pin Mini-DIN)
 Y Signal1V p-p, 75 Ohm
 C Signal286mV p-p (NTSC), 300mv p-p (PAL)
 Component Betacam (BNC's)
 Y Signal1V p-p, 75 Ohm
 R-Y, B-Y (Pr,Pb).....700mV p-p (NTSC), 525mv p-p (PAL)

Preview/Alpha Channel:

Composite (BNC).....1V p-p, 75 Ohm
 S-Video (4-Pin Mini-DIN)
 Y Signal1V p-p, 75 Ohm
 C Signal286mV p-p (NTSC), 300mv p-p (PAL)
 Component Betacam (BNC's)
 Y Signal1V p-p, 75 Ohm

Time Code Video (VITC):

Composite w/VITC (BNC).....1V p-p, 75 Ohm

Note(s):

1) Video output levels correspond to 75% color bar signal, with 100% white reference bar.

Digital Video Outputs (Available with Digital Option)

Serial SDI (SMPTE 259M) (BNC x 2)800mv, 75 Ohm
DV.....IEEE-1394

Note(s):

1) Embedded AES audio conforming to SMPTE-272M may be inserted into the SDI output stream.

Audio Outputs:

Balanced (XLR-M)..... +4 dBU Nominal, +20 dBU Maximum
Unbalanced Line (RCA)..... -10 dBV Nominal, +6 dBV Maximum
LTC Output (RCA).....1V p-p

Digital Audio Outputs (Available with Digital Option):

Professional Format:
AES/EBU (EIAJ CP-340, XLR) 5V Balanced, 110 Ohm
AES/EBU (SMPTE-267M, BNC)..... 1V Unbalanced, 75 Ohm
Consumer Format:
S/PDIF (RCA) 500mv Unbalanced

Note(s):

1) Digital audio data may also be inserted into both of the SDI and DV output data streams.

Genlock Inputs

Composite (BNC).....1V p-p, Hi-Z
Timing Adjustment Range:
Horizontal.....> +/- 2usec
Subcarrier360 Degrees

Hard Drive Storage

Internal/External 68 pin.....Ultra160 Wide SCSI
Internal Storage..... Up to 320GB
External:RAID Storage up to 16TB
(/with Cepoint's R-STOR or equal)

Native Raster Size

525 Line (NTSC).....720 x 486
625 Line (PAL).....720 x 576

Video Performance

Frequency Response.....0 - 5.0 MHz (+/- 0.25 dB)
.....5.0 - 5.5 MHz (+0.25, -1.5 dB)
K-Factor (2T).....< 1%
Differential Phase< 1 Deg
Differential Gain.....< 1%
Signal/Noise:
Playback.....> 65 dB
Capture + Playback.....> 58 dB

Audio Performance

A/D18 Bit over sampled Sigma-Delta
DAC18 Bit over sampled Sigma-Delta
Sample Rates11/22.05/32/44.1/48 KHz.
Frequency Response.....20 Hz to 20 KHz, +/- 0.5 dB
Dynamic Range88 dB (A weighted)
Total Harmonic Distortion0.005% Max

SYSTEM HARDWARE:

Material: Heavy-duty cold-rolled steel. Inside: zinc-plated with bright chromate. Outside: texture-coated
Dimension: 19"(W) x 20"(D) x 7"(H)
Cooling: 2 x 90mm ball-bearing fans
Power Supply: 300W ATX
CPU Processor: Dual Intel Pentium Xeon 2.6GHz processor
System Memory: 1GB SDRAM up gradable to 4GB
PORTS: Parallel port x1, RS-232 x 2, RS-422 x1, USB x2, 2 x RG-45 copper Gigabit Ethernet
Network Connectivity: Ethernet, Fast Ethernet/Gigabit (2 x 10/100, 1x 10/100/1000)
PCI Extension: PCI Bus architecture for versatile compatibility with industry standard studio equipments.
Air cooling Filters: Removable and washable
Controls: Power on/off and system reset
Indicators: Power and HDD LED's
System Clock: Synchronised with SMPTE, EBU and IRIG-B Time Code for accuracy.
Speaker: 0.4W built-in internal monitoring speaker
CD-RW or DVD-R/W: Included
System Hard drive: 36 GB SCSI system hard drive
Audio hard drive: 36 GB SCSI audio hard drive
Hard Drive : 73 GB of storage(Std) Up to 320GB. External RAID interface support for unlimited video storage.
Temperature: 0°C(32°F)~ 50°C(122°F)
Humidity: 5%~95% non-condensing

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