

TimeTailor TT 1000 series
HD/SD Time Tailor System

All New



Time Tailor with features you choose
NTSC, PAL or SECAM
12 Channel AES or Embedded Audio
Frame accurate control of source & record units
Maintains HD/SD closed-captioning
Frame accurate time-reduction

TimeTailor TT1000 series SPECIFICATIONS



Serial Digital Video

Input:	HD/SDI (1.483 Gb/s Component Serial) SDI (270 Mb/s Component serial (SMPTE 259M-C)) Equalized, Reclocked SDI	75Ω BNC 75Ω BNC
Buffered Preview Output: Output:	HD/SDI (1.483 Gb/s Component Serial) SDI (270 Mb/s Component serial (SMPTE 259M-C))	75Ω BNC
External Reference Input:	300 mVpp, Black Burst TriLevel Sync (Auto Detect)	Hi-Z looping, BNC
Signal Level:	800 mVpp (nominal)	
Equalization:	Auto to 350 meters (8281)	
Quantizing:	10 Bits	
Formats: (choose NTSC, PAL or SECAM)		
Available formats:	525/29.97, 720p/59.94, 1080i/29.97 625/25, 720p/50, 1080i/25 720p/60, 1080i/30 1080sf/24 1080sf/23.98	

Analog Component Video* (Standard Definition) *optional

Input Y:	1 Vpp (including sync)	75Ω BNC
Input (R-Y):	525 mVpp or 700 mVpp	75Ω BNC
Input (B-Y):	525 mVpp or 700 mVpp	75Ω BNC
Output Y:	1 Vpp (including sync)	75Ω BNC
Output (R-Y)	525 mVpp or 700 mVpp	75Ω BNC
Output (B-Y)	525 mVpp or 700 mVpp	75Ω BNC
Sampling	13.5 MHz luma, 6.75 MHz color	
Quantizing	10 Bits luma, 10 bits color	
Bandwidth	6 MHz luma, 3 MHz color	
K-Factor (2T)	1%	
SNR	< 65db (weighted, 10 KHz to 5 MH)	
Format	525 line / 625 line	

Analog Composite Video* (Standard Definition) *optional

Input:	1 Vpp (including sync)	75Ω BNC
Output:	1 Vpp (including sync)	75Ω BNC
Preview Output:	1 Vpp (including sync)	75Ω BNC
Sampling:	13.5 MHz, 4:2:2	
Quantizing:	8+Bits	
K-Factor (2T)	5.5 MHz	

PRIME IMAGE'S Time Tailor TT1000 series allows you to choose the features you want, including the optional FasTrack TT. Newly updated for '09, the HD/SD time reduction system is based on Prime Image's patented frame accurate time-reduction process.

The **Time Tailor TT1000** series offers either Embedded or AES/EBU audio in 8 or optional 12 channels, as well as frame accurate Closed Caption data in both HD and SD, all processed on-the-fly.

The Time Tailor automatically time-reduces programming as it is downloaded and sets up the automation system for insertion of commercial breaks.

Functions supported by Time Tailors automation package include:

- scheduling of time-reduction jobs for multiple downloads of different programs.
- automatic launching of scheduled jobs with user selectable control of source and output or record devices under Time Tailor management.
- time-line reporting of processed programming with times and spot durations.
- auto save of report and actions into automated system.

The optional FasTrack TT combine to provide a control and automation package for a turn-key solution for the most demanding of time reduction requirements.



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TimeTailor TT1000 series SPECIFICATIONS



Cont.:
Analog Composite Video
 Diff. Phase: < 1 degree
 Diff. Gain: < 1%
 Y/C Delay Error: < 10nS (adjustable)
 SNR: > 58 dB (weighted, 10 KHz to 5 MHz)
 Format: 525 line - NTSC, 443 625 line - PAL, PLA-N, or SECAM

 **Audio (choose Embedded or AES / EBU)**

Embedded Audio

Channels: 8, optional 12

AES / EBU Digital Audio

Input:	AES/EBU Digital Audio	75Ω BNC
Output:	AES/EBU Digital Audio	75Ω BNC
Channels:	8, optional 12	
Sampling:	48 KHz (synchronous with Ref Video)	
Equalization:	Auto to 100 meters	
Quantizing:	up to 24 Bit	

Analog Audio (optional)

Input:	0 dBm (clipping occurs at +20dBm)
Output:	0 dBm (clipping occurs at +20dBm)
Channels:	4 (optional 4 additional channels)
Sampling:	48 KHz
Quantizing:	18 Bits
Bandwidth:	20 Hz to 20KHz
SNR:	> 96 dB (Relative to +16 dBm)
THD:	.04%

 **Closed Captioning**

HD:	EIA-708 (frame accurate)
SD:	EIA-608 (frame accurate)

The **Time Tailor** line of products provide both a solution for saving editing time as well as making more money by enhancing your ability to offer more commercial space, all while broadcasting live. It is a fully automated system designed for cable, broadcast, content providers and post-production facilities for editing program and/or segment times to fit into new time-slots.

An example of Time Tailor use is a first-run broadcast time slot that allows 22 to 23 minutes for the actual show with the remaining time used for commercials, promotional spots and public service announcements. When these shows are re-broadcast as reruns, or in syndication by local, cable or satellite channels, they must be run in a 21-minute time slot. Old ways of reducing the time needed to play out a show included editing out scenes, racing through the credits, and playing out the show at a higher than original speed.

The Time Tailor “micro-editing” removes video frames automatically and undetectably without compromising the integrity of the original content. The Time Tailor provides a faster and less expensive method of content processing with the final output that is a higher quality than that modified by other methods. Based on Prime Images' Time Tailor's patented time-reduction process and the FasTrack TT, the combined system offers virtually limitless time-reduction beyond the optional 5 minute SD and 1 minute, 50 second HD.



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Time Reduction

HD:	55 seconds (optional memory provides 1 minute, 50 seconds)
SD:	2 minutes, 30 seconds (optional memory provides 5 minutes)
FasTrack TT:	Optional Memory Controller provides virtually limitless time reduction

Operation Controls

RS-422:	Sony standard protocol
RS-232:	Sony standard protocol
FasTrack:	Optional controller with built-in editing suite

Analog

Video Level:	+/- 6 dB
Color Level:	No Color to + 6 dB
Setup Level:	+/- 10 IRE
Hue (NTSC only):	+/- 45 degrees
H-Phase Adjust:	> +/- 2 uS
Subcarrier Adjust:	> 360 degrees
Audio Level:	-64 dBm to + 16 dBm

Environmental

Operating Temperature:	+32 F (0 C) to 113 F (45 C)
Operating Humidity:	10% to 95% RH, Non-Condensing
Power Supply (Redundant):	96 - 132 or 185 - 264 VAC, autoranging
Height:	5U / 8.75 inches (22.2 cm)
Width:	19 inches (48.3 cm)
Depth:	22.25 inches (56.6 cm)
Weight:	45 lbs

The **Time Tailor TT1000** series supports your choice of NTSC, PAL and SECAM formats (see specifications for more detail).

PRIME IMAGE'S Time Tailor's fully digital processing reduces video program run-time for the creation of additional time. The patented time reduction process occurs in real-time without pre-recording, pre-processing, compression or compromising the integrity of the program, and devoid of discernable video or audio effects when used judiciously. The amount of additional time created and the time duration over which it is created is programmable as well as variable.

As an updated "state-of-the-art" product it continues the "Powered by Prime" tradition of setting the standard in time-reduction / time-correction while backed by unequalled commitment to service.

For more information, please visit us at www.primeimageinc.com or call us at (877) PRIME 40.



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