

TimeTailor TT 3000 series
HD/SD Time Tailor System

All New



- Full Featured Time Tailor
- NTSC, PAL and SECAM
- 16 Channel AES and Embedded Audio
- Frame accurate control of source & record units
- Maintains HD/SD closed-captioning
- Frame accurate time-reduction

TimeTailor TT3000 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: | 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 TT3000 series is the most feature filled design ever offered. An all new design, the HD / SD time reduction system is based on Prime Image's patented frame accurate time-reduction process.

The **Time Tailor TT3000 series** offers both 16 channel Embedded and AES/EBU audio 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 TT3000 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
Embedded Audio
 Channels: 16

AES / EBU Digital Audio
 Input: AES/EBU Digital Audio 75Ω BNC
 Output: AES/EBU Digital Audio 75Ω BNC
 Channels: 16
 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 TT3000** series supports 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 all new "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.primeimage.com or call us at (877)
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