

**1T-TBC** is an ultra compact, high performance Multi-Standard Time Base Corrector designed to correct for time base errors in videotape playback or to correct for instability in most video signals. An integral Digital Processing Amplifier provides all the necessary adjustments to the video parameters. Black with color burst is sent to the output when the input video is not present. Composite and YC (S-Video) inputs and outputs are provided.

**1T-TBC-GL** provides all the features of the 1T-TBC and adds a Genlock feature that enables the incoming video signal to be synchronized to an external video source if desired.

Both models are 12VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security. The Color level, Sharpness, Tint, Brightness and Contrast parameters of the input signal can be adjusted by the user.

## **Time Base Correctors**

Models 1T-TBC, 1T-TBC-GL



## Key Features of the 1T-TBC

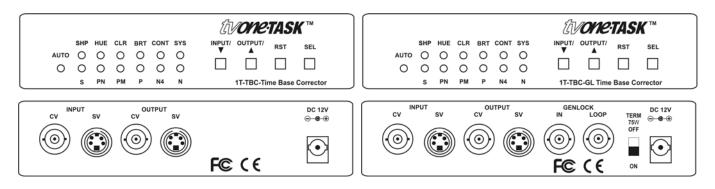
- Multi-standard for Worldwide TV Systems
- Comb Filter Decoding of the Video Input
- Integral Video Processor for Adjustments
- Genlocks to System Reference (1T-TBC-GL)

**TBC** with Genlock

## **Specifications**

Inputs/Outputs		Warranty	
Composite Video	1x via BNC Connector	Limited Warranty	1 Year Parts and Labor
YC (S-Video)	1x via 4-PIN Mini-DIN Connector	Mechanical	
Genlock Input	via BNC (1T-TBC-GL Only)	Size (H-W-D)	30x133x90mm (1.2"x5.25"x3.5")
Genlock Loop-thru	with 75 $\Omega$ Termination Switch	Weight (Net)	310 g (0.69 lbs)
Video Specifications		Environmental	
Impedance	75Ω	Operating Temperature	0° to +50° C (+32° to +122° F)
Television Standards	NTSC, PAL-B, G, N, M, SECAM	Operating Humidity	10% to 90%, Non-condensing
Signal Processing	8-bit	Storage Temperature	-10° to +60° C (+14° to +140° F)
Frequency Response	Flat to more than 20MHz	Storage Humidity	10% to 90%, Non-condensing
Chroma to Luma Delay	<=5nS	Power Requirement	
Differential Gain	<=0.5 %	External Power Supply	12VDC@500mA - Locking DC
Differential Phase	<=0.5 °	Regulatory Approvals	
Signal to Noise Ratio	Better than 60db	TBC Unit	FCC, CE, RoHS
Video Level Adjustment	Luma, Chroma, Setup, Hue, Sharp	Power Supplies	UL, CUL, CE, PSE, GS, RoHS
Filter Selection	Adaptive Comb, Low Pass	Accessories Included	
Control Method	1	1x Power Adapter	US, UK or Euro
Display	Front Panel LEDs	1x Operations Manual	
Front Panel Buttons	Up, Down, Reset, Select	Product Item Numbers	
1		1T-TBC	Time Base Corrector

## **Panel Drawings**



1T-TBC-GL