

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 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.



Specifications

Inputs/Outputs

Composite Video 1x via BNC Connector
 S-Video (Y/C) 1x via 4-PIN Mini-DIN Connector
 Genlock (1T-TBC-GL) C-Video Looping via BNC
 Genlock Loop-thru With 75Ω Termination Switch

Video Specifications

Impedance 75Ω
 Television Standards NTSC, PAL-B, G, N, M, SECAM
 Signal Processing 8-bit
 Frequency Response Flat to more than 20MHz
 Chroma to Luma Delay <=5nS
 Differential Gain <=0.5 %
 Differential Phase <=0.5 °
 Signal to Noise Ratio Better than 60db
 Video Level Adjustment Luma, Chroma, Setup, Hue, Sharp
 Filter Selection Adaptive Comb, Low Pass

Control Method

Display Front Panel LEDs
 Front Panel Buttons Up, Down, Reset, Select

Warranty

Limited Warranty 2 Years Parts and Labor

Mechanical

Size (HWD) 1.2"x5.25"x3.5" (30x133x90mm)
 Weight (Net) 10 oz (285 g)

Environmental

Operating Temperature +32° to +120° F (0° to +48° C)
 Operating Humidity 10% to 85%, Non-condensing
 Storage Temperature -40° to +150° F (-40° to +65° C)
 Storage Humidity 10% to 85%, Non-condensing

Power Requirement

External Power Supply 12VDC@500mA - Locking DC

Regulatory Approvals

TBC Unit FCC, CE
 Power Supplies UL, CE, CSA

Accessories Included

1x C-Video Cable 6' (2m) BNC to BNC
 1x AC Power Adapter US, UK or Euro or Type

Product Item Numbers

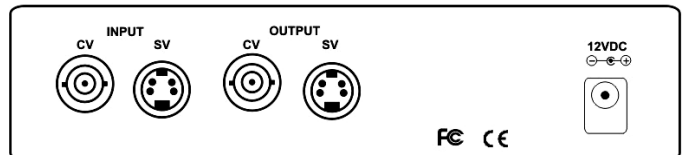
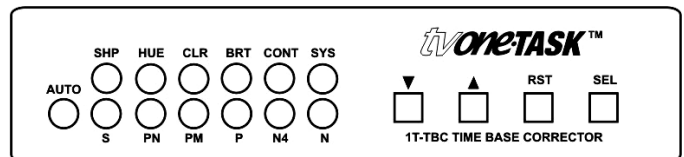
1T-TBC Time Base Corrector
 1T-TBC-GL TBC with Genlock

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)

Panel Drawings

1T-TBC



1T-TBC-GL

