



Time Base Corrector

Model PX-710

PX-710 Multi-Standard TBC-Frame Synchronizer is a high performance Full Frame device to correct for time base errors in videotape playback. An integral Digital Processing Amplifier provides all the necessary adjustments to the video parameters. Internal 10-bit accurate A/D and D/A conversion circuitry is employed for true 8-bit resolution. Black with Color Burst, Color Bars or Frozen Last Field or Frame is sent to the output when the input video is not present. A 5-Line Adaptive Comb Filter insures precise decoding of the input video signal. An automatic gain control circuit keeps the output constant as the input level varies. A Genlock feature enables the incoming video signal to be synchronized to an external video source. The unit has two Composite and one S-Video input. An optional Dual 19" Rackmount Frame is available.



Key Features of the PX-710

- Multi-standard for Worldwide TV Systems
- Comb Filter (5-Line Adaptive) Decoding of the Video Input
- 2x Composite and 1x S-Video Input
- 1x Composite and 1x S-Video Output
- Integral Video Processor for Adjustments
- Automatic Gain Control

Specifications

Inputs/Outputs

Composite Video 2x via BNC Connector
 S-Video (Y/C) 1x via 4-PIN Mini-DIN Connector
 Genlock (C-Video) via BNC with Loop-thru

Video Specifications

Impedance 75Ω
 Television Standards NTSC, NTSC 4.43, NTSC Japan
 PAL-B,G,N,M, SECAM (input only)
 Signal Processing 8-bit per Y, R-Y, B-Y
 Sampling Frequency 13.5MHz (Y), 6.75MHz (R-Y, B-Y)
 Frequency Response Flat to more than 6MHz
 Chroma to Luma Delay <=5nS
 Differential Gain <=1%
 Differential Phase <=1°
 Luma Nonlinearity <=1%
 Signal to Noise Ratio Better than 60db
 Video Level Adjustment Luma, Chroma, Setup, Hue, Sharpness
 Filter Selection Adaptive Comb, Low Pass
 Advanced Controls U Gain, V gain, White Clip & Chroma Transient Improvement

Control Method

Display 16x2 LCD
 Front Panel Buttons Up, Down, Escape, Enter

Warranty

Limited Warranty 2 Years Parts and Labor

Mechanical

PX-710 (HWD) 1.4"x8.45x5.2" (36x215x130mm)
 Weight (Net) 1,8lbs (0.8kg)
 RM-200 (HWD) 1.75"x19"x7" (44x482x178mm)
 Weight (Net) 2.4 lbs (1.1 kg)

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

Regulatory Approvals

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

Power Requirement

External Power Supply 5VDC@500mA - Locking DC

Accessories Included

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

Product Item Numbers

PX-710 TBC-Frame Synchronizer
 RM-200 Dual 19" Rackmount Frame

Panel Drawing

