

2X

DUAL CHANNEL TBC/SYNCHRONIZER



Two Channels of TBC/Synchronizer in 1U Frame
NTSC, PAL or PAL-M Models
All Digital Design for No Drift Operation
Accepts Non-Synchronous Feeds - Y/C or Composite
Transcodes to Composite and Y/C Regardless of Input Type
Operates with all VCRs
Full Proc Amp Controls - Both Channels

2X SPECIFICATIONS



Interface (Each Channel)

Inputs	
Video (Composite)	1.0 Vpp, 75Ω, BNC
DUB (S-Video)	
C	700 mVpp, 75Ω,
Y	1.0 Vpp, 75Ω
Outputs	
Video (Composite)	1.0 Vpp, 75Ω, BNC
DUB (S-Video)	
C	700 mVpp, 75Ω
Y	1.0 Vpp, 75Ω, 4-pin S connector
Genlock In	High Impedance, Looping or Independent for Each Channel
RS232 Interface (Option)	25-pin D connector

Performance (Each Channel)

Window	525 Line (NTSC)
625 Line (PAL)	
Bandwidth	5.0 MHz (PAL and NTSC)
Signal-to-Noise Ratio	58 dB
Differential Phase	1°
Differential Gain	2%
K-Factor (2T)	1%
Sampling	8-bit Luma; 8-bit Chroma
Residual Time Base Error	±15 nsec
Composite Auto Bypass (full unit)	If AC power or Power Supply is removed or fails

Operational Controls and Indicators (Each Channel)

Input Selector	Composite; Y/C
Freeze Switch	Off/Field/Frame
Enhance Switch	Normal/Low/High
Power Switch (On/Off)	Rear Panel (One Per Unit)
Remote On Indicator	LED (Red – One Per Unit)
Video Level Control	± 3 dB (Increase/Decrease)

Color Level Control	± 6 dB (Increase/Decrease)
Setup Level Control	± 10 IRE (Increase/Decrease)
Hue Control (NTSC Only)	± 45°(Increase/Decrease)
Genlock Indicator	LED (Green)
H Phase Adjust	± 1 μsec. (Increase/Decrease)
Burst Phase Adjust	360°(Increase/Decrease)

Environmental (Full Unit)

Operating Temperature	+32°F (0°C) to 113°F (45°C)
Operating Humidity	10% to 95% RH, non condensing
Power Supply	117 VAC, ±10%, 60 Hz (NTSC) 220 VAC, ±10%, 50 Hz or 60 Hz (PAL)
Power Dissipation	25 Watts
Height	1.75 Inches (4.45 cm)
Width	19 Inches (48.3 cm)
Depth	15 Inches (38.1 cm)
Weight	16 lbs. (7.3 kg)

For more information, please visit us at www.primeimageinc.com or call us at **408.926.5177**.

