

DIGITAL 50 III

DIGITAL/ANALOG TBC & FRAME SYNC



Proc Amp on all inputs.
Freeze (F1, F2 and frame).
By-pass for all inputs on loss of power or from front panel.
All outputs active for any input type.
Component level selectable between SMPTE/EBU and Beta.
Composite color bar generator (may be active on composite out any time.)
Time Base Correction for composite and component inputs.
PAL or NTSC.

DIGITAL 50 III SPECIFICATIONS



SERIAL DIGITAL

Input	SDI (270 Mb/S Component Serial (SMPTE 259M-C)	75 Ohm, BNC
Buffered Preview Output	Equalized, Relocked SDI	75 Ohm, BNC
Output	SDI (270 Mb/S Component Serial (SMPTE 259M-C)	75 Ohm, BNC
External Reference input	300 mVpp, Black Burst	Hi-Z looping, BNC
Signal Level	800 mVpp (nominal)	
Equalization	Auto to 350 meters (8281)	
Quantizing	10 Bits	
Format	4:3, 525/625	

ANALOG COMPONENT/COMPOSITE

(COMPONENT)

Input	Y	1 Vpp (including sync)	75 Ohm, BNC
	(R-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
	(B-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
Output	Y	1 Vpp (including sync)	75 Ohm, BNC
	(R-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
	(B-Y)	525 mVpp or 700 mVpp	75 Ohm, 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%
S/N Radio	> 65 dB (weighted, 10 KHz to 5 MHz)
Format	525 line, 625 line

(COMPOSITE)

Input (Composite)	1 Vpp (including sync)	75 Ohm, BNC
Output (Composite)	1 Vpp (including sync)	75 Ohm, BNC
Sampling	13.5 MHz, 4:2:2	
Quantizing	10 Bits	
Bandwidth	5.5 MHz	
K-Factor (2T)	< 1%	
Diff. Phase	< 1%	
Diff. Gain	< 1%	
Y/C Delay Error	< 10 nS	
S/N Ratio	>65dB (weighted, 10 KHz to 5 MHz)	
Format	525 line – NTSC 625 line – PAL	

OPERATIONAL CONTROLS

Video Level	+ 6 dB
Color Level	No Color to +6 dB
Setup Level	+ 10 IRE
Hue (NTSC only)	+ 45°
H-Phase Adjust	> + 2 uS
Subcarrier Adjust	>360°

ENVIRONMENTAL

Operating Temperature	+ 32° F (0° C) to 113° F (45° C)
Operating Humidity	10% to 95% RH, Non-Condensing
Power Supply	96-132 or 185-264 VAC, Autoranging
Power Dissipation	25 Watts Max
Height	1U 1.75 inches (4.44 cm)
Length	19 inches (48.3 cm)
Depth	12.5 inches (31.8 cm)

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

