

PENTA

STANDARDS CONVERTER



- 1U rack-mountable unit
- Power consumption: 15 watts
- Fully controllable from the front panel
- Full proc-amp
- Ultra-stable freeze frame/field
- Variable rate strobe
- Built-in time base correction/synchronization within or between standards
- Inputs: NTSC, PAL, PAL-M, PAL-N, NTSC 4.43 or SECAM
- Outputs: NTSC, PAL, PAL-M or PAL-N

PENTA SPECIFICATIONS



Mode Selection:

Input	Output
NTSC	
PAL	
PAL-M >	NTSC, PAL, PAL-M, PAL-N, PAL-N
SECAM	
NTSC 4.43	

Interface

Input	Video (Composite)	1.0 Vpp, 75Ω, BNC
	Component Y/C	4-Pin Connector
Output	Video (Composite)	1.0 Vpp, 75Ω, BNC
	Component Y/C	4-Pin Connector
Genlock In		75Ω, 300 mV, 2 BNCs
Transcodes Y/C to Composite and Composite to Y/C		

Performance

Memory	5-field plus
Interpolation	New Penta-Field Memory System
Sampling	4:2:2
Quantizing	8-bit Luma, 8-bit Chroma
Bandwidth (Component and Composite)	5.5 MHz
Signal-to-Noise	58 dB
Differential Phase	<2°
Differential Gain	<2%

Environmental

Operating Temperature	+ 32°F (0°C) to 113°F (45°C)
Operating Humidity	10% to 95% RH, Non-Condensing
Power Supply	117 or 220 VAC, 50 Hz or 60 Hz
Power Dissipation	15 Watts (Penta) 95 Watts (with 10 each 5F-10/2 Cards)
Height	1.75 Inches/4.45 cm (Penta) 5.25 Inches/13.34 cm (SC-10X Frame)
Width	19 Inches/48.3 cm
Depth	15 Inches/38.1 cm
Weight	15 lbs/68 kg (Penta) 35 lbs/16 kg (SC-10X Frame)

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



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