

PENTA II

STANDARDS CONVERTER



Automatic stereo audio delay (maintain lip-sync) YUV(YRB)
Composite and Y/C in and out
3-way Adaptive Comb Filter
High Performance Encoder

PENTA II SPECIFICATIONS



Mode Selection:

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

Interface

Inputs	Video (Composite)	1.0 Vpp, 75Ω, BNC
	YUV (Y/R/B)	12-pin to 3 BNC cable
	Y/C	4-Pin
Outputs	Video (Composite)	1.0 Vpp, 75Ω, BNC
	YUV (Y/R/B)	12-pin to 3 BNC cable
	Y/C	4-Pin
Genlock In		High Impedance/75Ω, BNC
Transcodes Y/C to Composite and Composite to Y/C		

Performance

Memory	5-field plus
Interpolation (proprietary)	Next Generation Penta-Field/5 Line 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)

Options

R-1	Hand Held Remote Control
R-2	Rack Mount Remote Control

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

