

VIDICRAFT V8i

TV Standards Converter, Time Base Corrector and Transcoder Closed Caption processor



- TV Standards conversion PAL, PAL N, PAL M, NTSC, NTSC 4.43 and SECAM (*); 525/60 to 625/50 and 625/50 to 525/60.
- Enhanced 8-point interpolator, 2-field, 4-line.
- Five-line high performance adaptive comb filter. Bandwidth 5.5 MHz.
- 10 bit A/D and D/A conversion and processing.
- Controls of luma and chroma gain, black level, hue (NTSC) and horizontal enhancer.
- Composite video, two inputs and two outputs.
- Closed caption signal processor, with input decoder and output coder, with line selection.
- Control panel with lighted display and keyboard, allowing the selection of different functions and options.
- Storage of adjustments in non volatile memory.
- Selection of output signal in the event of input signal loss: last valid field, color bars, black.
- Color bars and black field generator.
- V8i-2 version with two independent converters in a 1 RU cabinet.

TECHNICAL SPECIFICATIONS

GENERAL

A/D Conversion	11 bit, 27 MHz (2X oversampling)
D/A Conversion	10 bit, 216 MHz (16X oversampling)
Processing	10 bit, 4:2:2
Interpolation	8 point, 2-field, 4-line aperture
Analog Input TV Standard	PAL, PAL N, PAL M, NTSC M / J / 4.43, SECAM
Analog Output TV Standard	PAL, PAL N, PAL M, NTSC M / 4.43
Conversion	Bidirectional: 525/60 to 625/50 and 625/50 to 525/60
Comb filter	Five-line adaptive, for PAL, PAL N, PAL M and NTSC M / J
Display	LCD, with backlight

PERFORMANCE

Luminance bandwidth	5.5 MHz
Differential gain	< 1.5 %
Differential phase	< 1.5 %
Signal to noise ratio	> 60 dB, weighted

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VIDICRAFT V8i

TV Standards Converter, Time Base Corrector and Transcoder *Closed Caption processor*

CONTROLS AND ADJUSTMENTS

Analog Input TV Standard	Auto, PAL, PAL N, PAL M, NTSC M, NTSC 4.43, NTSC J, SECAM*
Analog Output TV Standard	PAL, PAL N, PAL M, NTSC M, NTSC 4.43
Luma gain	- 6 to + 3 dB
Black level	± 100 mV
Chroma gain	± 6 dB
NTSC hue (tint)	± 30°
Horizontal enhancer	± 4 dB
Test signals	Color bars, Black
No signal output	Autofreeze, Pass-through, Color bars, Black
VBI blanking	Pass, Blank
Closed Caption, input	Auto, line 17 to 23
Closed Caption, output	Off, Auto, line 17 to 23
Non volatile memory	Store, Recall, Preset
Freeze	Interpolated frame freeze

INPUT AND OUTPUT FORMATS

CVBS In / Out	1 Vpp / 75 ohms, BNC
USB port	Receptacle type B, for updates

PHYSICAL AND POWER

Power supply	100 to 240V, 50/60 Hz, 15 W (30 W, V8-2 version)
Dimensions	1 RU, rack mounting, 483 mm (W) x 44 mm (H) x 150 mm (D)
Weight	1.8 kg, V8 version; 2 kg, V8-2 version

VERSIONS

V8i	TV Standards Converter, TBC and Transcoder.
V8i-2	TV Standards Converters, TBC and Transcoders. Twin independent Converters in 1 RU cabinet, with shared power supply.

OPTIONS

CCP	Closed caption signal processor, with input decoder and output coder, with line selection.
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Specifications are subject to change without notice due to continuous product development and improvement.
(* Secam only for input standard.

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