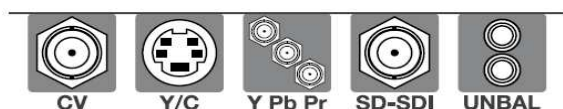


## CONVI104

### SWITCHER & ANALOG TO SDI CONVERTER



CONVI104 is a unit that converts an analog TV signal into an SD-SDI signal following the ITU-R601 standard.

The signal to be converted is selected among 3 incoming signals in CV, Y/C, Y, Cb, Cr format. Each input presents a combined audio. CONVI104 works as generator as well presenting a set of 3 patterns. CONVI104 is PAL/NTSC compatible. The product is mounted in a 1U mechanical housing able to be mounted in a 19" structure by the ADR1U adapter.

- PAL/NTSC compatible
- 10 bit ADC sampling
- Crystal PLL Ditter filter
- Five-line adaptive chroma comb filter
- EDH generation and insertion
- Twin SDI output

#### Technical specifications

##### VIDEO

Inputs:	3, CV, Y/C, Y Cb Cr
Input type:	Single ended
Input coupling:	AC
Standard:	PAL, NTSC
Reference:	Black burst or CV, 75 Ω terminated
Outputs:	SD-SDI, ITU-R601, twin
Comb filter:	5 line adaptive
Jitter filter:	Crystal with VCXO PLL
Jitter:	<0,2 UI
Outputs ret. loss:	34 dB at 10 MHz, 19 dB at 100 MHz, 15 dB at 200 MHz, 14 dB at 270 MHz

##### AUDIO

Audio inputs:	AC coupled, unbalanced
Input impedance:	47 KΩ
Input level:	+10 dBm max
Frequency response:	-1 dB from 20 Hz to 20 KHz
Crosstalk:	60 dB at 5 KHz
Distortion:	0.05% at 0 dBm with 10 KΩ load
Output impedance:	100 Ω

Main input:	230 Vac 50 Hz
Power consumption:	7 VA
Size (WxDxH):	200x170x44
Weight:	0.9 Kg

Operating temp. range:	0:-45°C
Safety:	According to EN60065
EMC:	According to EN55103-1 and -2

