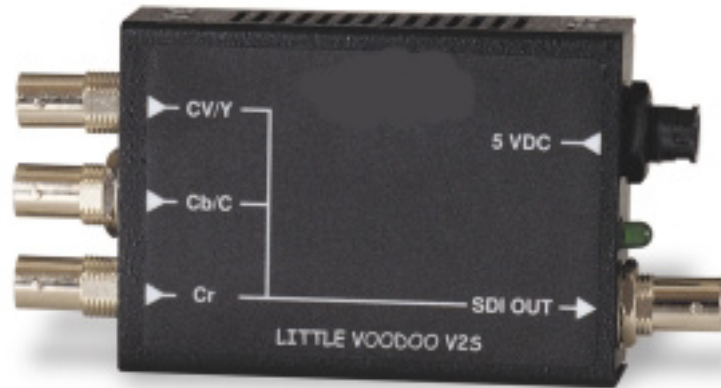


LVS2V – LVV2S

DIGITAL CONVERTERS



Discover the Magic of the Low- cost Digital “Little VooDoo” Converters. Your choice of the LVS2V/LVV2S won't disappoint you. We continue to work close with broadcasters and video producers to provide the most quality for the money, fulfilling the need for a small, compact, versatile video ADC/DAC for monitoring purposes. The LVS2V/LVV2S has a history of reliability and adaptability.

- Perfect for monitoring applications
- Small, inline style ADC or DAC
- Switch settable composite, Y/C, RGB or component video inputs/outputs
- Broadcast specifications
- Economical design
- NTSC/PAL operation
- Universal voltage PSU included

LVS2V – LVV2S

DIGITAL CONVERTERS

I/O SPECIFICATIONS

V2S INPUT/S2V OUTPUT:

- Composite: 1Vp- p/75 Ohm
- Y/C: 1Vp-p/75 Ohm (Y) 0.3Vp-p/75 Ohm (C)
- Component: RGB or Y, R-Y, B-Y (1V, .7V, 75 Ohm) with Sync on G/Y

S2V INPUT/V2S OUTPUT:

- SMPTE 259M, ITU-R BT. 601 (CCIR 601 SDI)
- Input Impedance: 75 Ohm
- 4 Connector: BNC

USER CONTROLS

EXTERNAL DIP SWITCH

- Composite select
 - Y/ C select
 - Y Cr Cb select
 - RGsB select
 - Color bar test signal (LVS2V Only)
- SPECIFY NOTE Specify either SMPTE N/10 or Betacam™ component setup level (not user adjustable)

TECHNICAL SPECIFICATIONS

QUANTIZATION: (V2S) 8 bit accurate decoding

QUANTIZATION: (S2V) 8 or 10-Bit with interpolation above 8-Bit

JITTER: >6.5nS

SIGNAL TO NOISE: >52dB (unweighted)

10 Hz to 5 MHz worst case

PROCESSING DELAY: .7us – SDI path

DIFFERENTIAL PHASE: <0.4°

DIFFERENTIAL GAIN: <0.4% NTSC

K- FACTOR: <1% (2T Pulse)

FREQUENCY RESPONSE

CV-Y/C: Flat to 5.0 MHz

Y Cr(V) Cb(U): -3dB @ 6.0 MHz

Y/ C DELAY: <10nS (CVS)

SCH PHASE: 0.6° worst case

EQUALIZATION: Up to 40dB @ 270Mb/s (> 375 meters on Belden 8281 cable)

MECHANICAL

Dimensions: 5 x 2.5 x 1 inches (12.5 x 6 x 2.5 cm)

Weight: 5.4oz (153g)

POWER

- 5 VDC (inline PSU included) (1600mA)
- Power consumption less than 10 watts

ENVIRONMENTAL

- Operating Temperature: 0- 50 °C
- Storage Temp: -50°C to +70°C Non-condensing
- Humidity: 90% max (non-condensing)

WARRANTY

2 Year parts/ labor

ORDER INFORMATION

Part# LVV2S Analog to Digital Converter

Part# LVS2V Digital to Analog

DISTRIBUTED BY