

BVC2SD10

ANALOG TO DIGITAL CONVERTER

VooDoo



Designed to the exacting standards of world class Broadcast TV, our Component Video to Serial Digital Converter is ready to take on the biggest jobs at a reasonable price. With a carefully chosen feature set, we have retained the most desired functions and put them in a box so small, it deserves to be called Big VooDoo. After Connecting the Component test signal of choice, you may automatically calibrate with the press of one button. The easy to reach rotary select knob and buttons on the front panel makes selection of calibration and operation modes quick and simple. We have also included indicators for Power, Loss of Signal, and Non-calibration. The back panel is all business, providing I/O support for one Component signal, two Serial Digital outputs, and one handy composite monitor output. The BVC2SD10 is designed to operate and perform just like your studio or ENG operation. Give it a try, we guarantee* your satisfaction. Big VooDoo: The most desired features, uncompromising quality, reasonably priced and guaranteed satisfaction. Now that's magic!

- Betacam™, MII™
or SMPTE/N10 Input
- 2 SDI Outputs
- 525/625 Operation
- NTSC/PAL Monitor Output
- Convenient Rack Size
- 10-bit Accuracy
- Studio Quality
- Very High Signal-to-Noise Ratio
- Automatic Calibration or Manual

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I/O SPECIFICATIONS

INPUT

- (1) Y Cr(V) Cb(U): 0.7 Vp-p/75ohm
1 Vp-p nominal with sync

OUTPUT

- (2) 4:2:2 SMPTE 259M-C (270 Mbps)
- (1) NTSC SMPTE170M
- (1) PAL (625/50) ITU 624-4

USER CONTROLS

ROTARY KNOB

- Auto-Calibrate
- Y Level
- U Level
- V Level
- 525/625 Select

STATUS LEDs

- Power On
- Loss of Sync Error
- No-Cal Error

JUMPERS

- Betacam™ or SMPTE N/ 10

TECHNICAL SPECIFICATIONS

QUANTIZATION: 10 bit accurate

SAMPLING: 27 MHz (x2 oversampling)

PROC RANGE: Auto Cal/Manual 6dB

JITTER: .15UI

SIGNAL TO NOISE: >60dB BW= 6.00 MHz

PROCESSING DELAY: .7us-SDI path

2. 0us-(M)onitor path

DIFFERENTIAL PHASE: <2° @ 3.58 MHz (M)

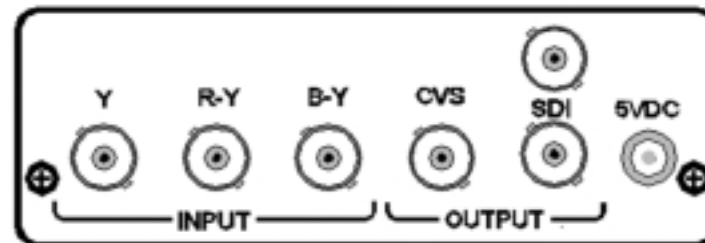
DIFFERENTIAL GAIN: <2% @ 3.58 MHz (M)

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

FREQUENCY RESPONSE

CV: Flat to 4.5MHz, -3dB @ 5.5MHz (M)

Y Cr(V) Cb(U): Flat to 6.0 MHz



MECHANICAL

DIMENSIONS:

1.5" (3.8) H x 5.0" (12.7)

D x 4.0" (10) W inches (cm)

OPTION: BVRMK Rack Adapter
(4 per 1 RU)

WEIGHT: <15 ozs. (< 425g)

POWER

- 5 VDC (1600mA)
- External PSU: 100/240 VAC, 47-63 Hz
- Power consumption less than 10 watts

ENVIRONMENTAL

- Operating Temperature: 0-40 ° C
- Storage Temp: -20° C to +70°
C Non-condensing
- Humidity: 90% max (non-condensing)

WARRANTY

2 Year parts/labor

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