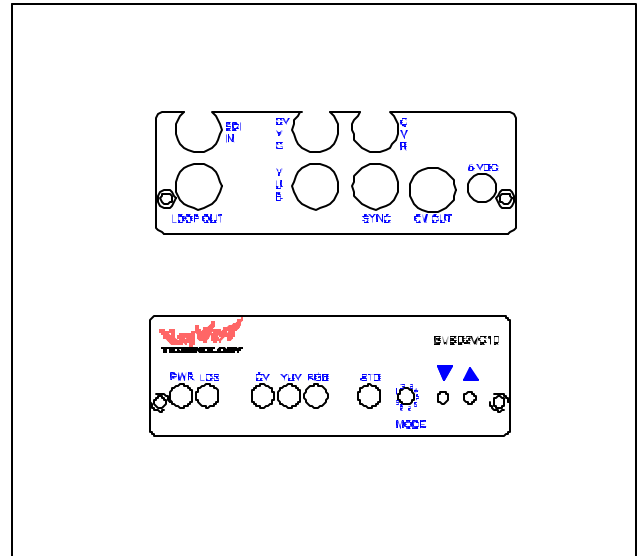


Multi-Standard 10-Bit Serial Digital to Analog Video Converter

The BVSD2VC10 converts NTSC or PAL-B Serial Digital (CCIR 601, SMPTE 259M) to YUV (Y, B-Y, R-Y) component analog, RGB analog, or composite analog video. A rotary mode selector and two momentary increment and decrement push buttons allow for output format selection as well as individual processor level controls. In addition, the unit features an additional composite sync out and a composite monitor output. The unit accepts 10-Bit Serial Digital and maintains 10-Bit processing throughout.



SPECIFICATIONS:

- Accepts 10-Bit Serial Digital NTSC and PAL-B video (output standard same as input standard)
- Analog YUV, RGB, or Composite Output, NTSC or PAL-B video.
- Input Serial Digital Loop Out
- Analog composite monitor Output
- Composite Sync Output
- Individual proc amp level controls
- Loss-of-Sync Indicator
- Professional 75 ohm BNC input and output connectors
- Stand-alone, or rack mount four units across with Keywest 19" rack kit (kit not included)
- 5 VDC operation (wall transformer included) with locking connector
- 58dB typical SNR
- 6.0 MHz typical luma NTSC bandwidth (to 3dB)
- Ambient operating temperature 0 to + 70 °C

ORDERING INFORMATION

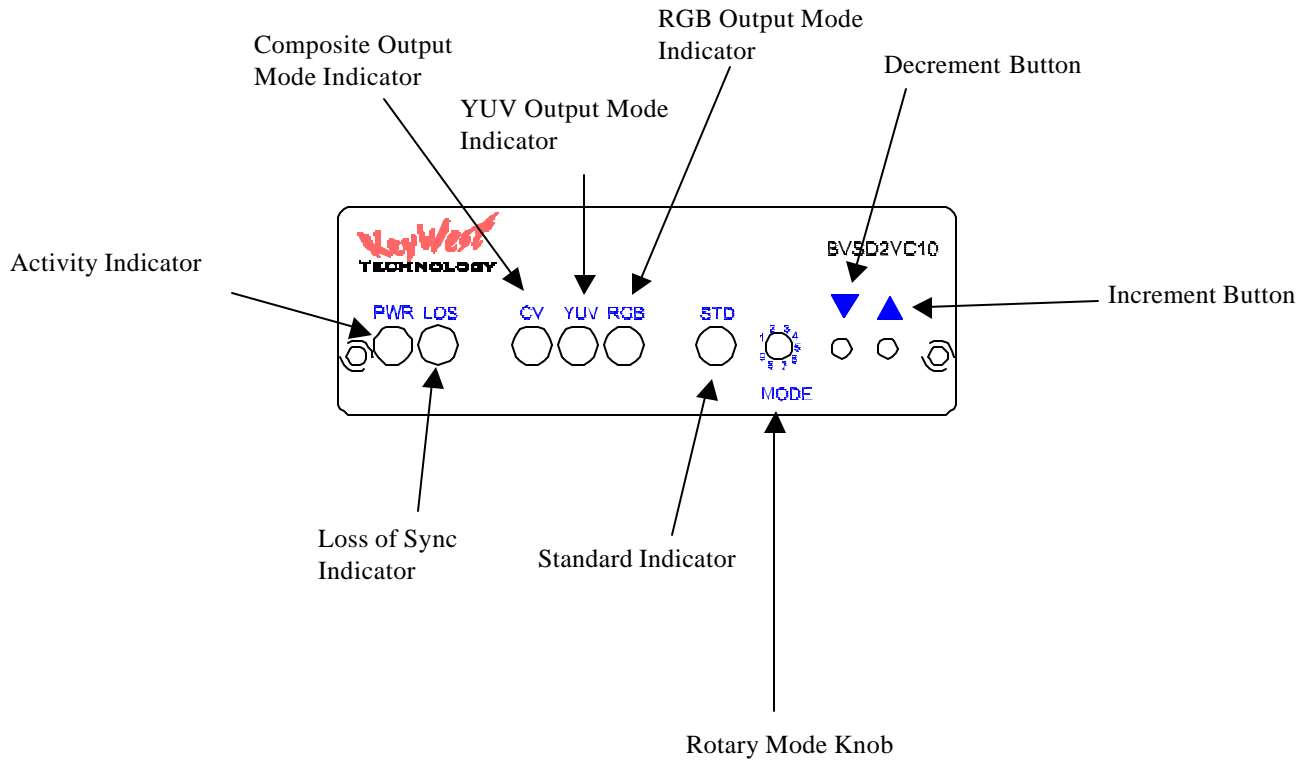
| Part # | Options |
|-----------|---------------------------|
| BVSD2VC10 | Rack Kit, Rack Kit Blanks |

APPLICATIONS

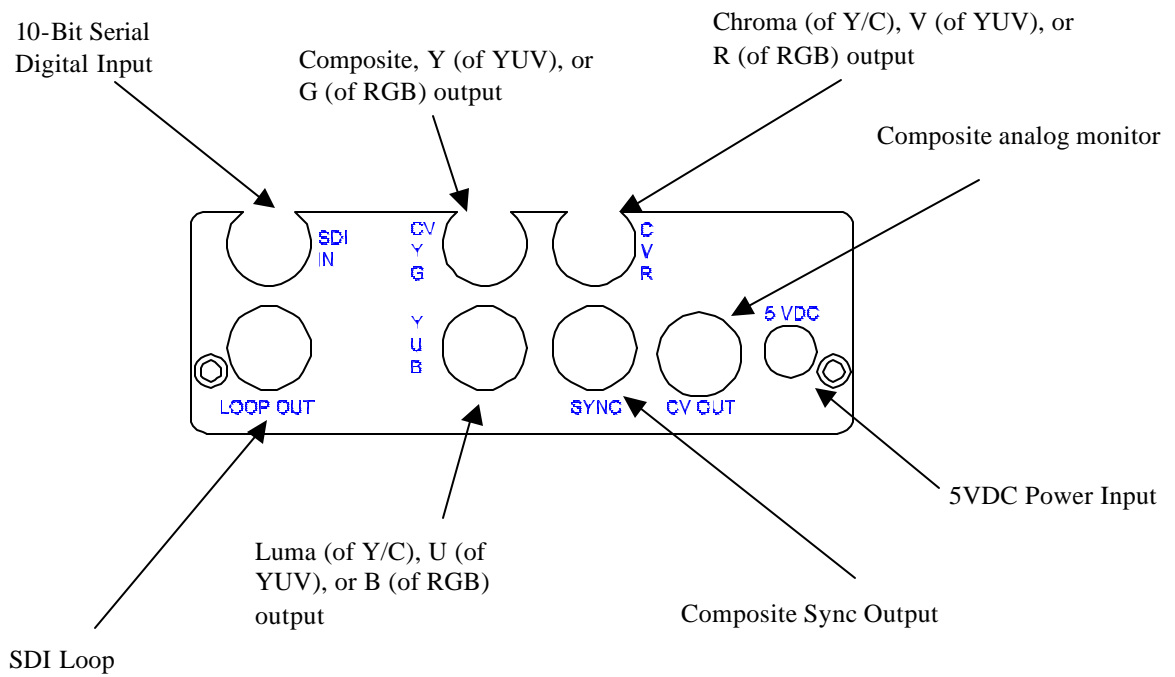
- In studio conversions
- Truck/van conversions (convert SDI to any analog necessary)
- Utilize SDI equipment with current analog equipment in any situation
- Receive video noise-free over distances (with single cable)
- Reduce SDI conversion budget by avoiding replacement of entire suite

OPERATING INSTRUCTIONS

Front Panel Controls & Indicators



CONNECTIONS

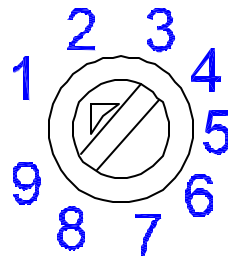


All video connections to be made with industry standard BNC connectors

Functions

Rotary Mode Switch

The rotary mode switch is a 10-detent switch. The BVSD2VC10 uses only eight of those detents. On the unit, each detent is marked by a number, where zero is not shown. The following illustration will show you where each detent is in relation to the others.



Position 1—Contrast Adjustment

Rotate the switch to the #1 detent (appx. 10:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output contrast level. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 2—Brightness Adjustment

Rotate the switch to the #2 detent (appx. 11:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output brightness level. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 3—Hue Adjustment

Rotate the switch to the #3 detent (appx. 1:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output color phase. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 4—U Component (B-Y) Adjustment

Rotate the switch to the #4 detent (appx. 2:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output U component level. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 5—V Component (R-Y) Adjustment

Rotate the switch to the #5 detent (appx. 3:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output V component level. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 6—Detail Adjustment

Rotate the switch to the #4 detent (appx. 4:00 position). Press the ▲ (increment) or the ▼ (decrement) button to adjust output Detail level (this control boosts high-frequency response.) The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 7—Not Used

Position 8—Standard Selection

Rotate the switch to the #8 detent (appx. 7:00 position). Press the ▲ (increment) or the ▼ (decrement) button to toggle between NTSC and PAL-B standards. The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

Position 9—Output Mode Select

Rotate the switch to the #9 detent (appx. 8:00 position). Press the ▲ (increment) or the ▼ (decrement) button to toggle between output modes (CV, YUV, or RGB). The green PWR LED will flash when the rotary knob is activated or either increment or decrement buttons are pushed—indicating microprocessor acknowledgment of user inputs.

SDI Loop

This connector outputs a virtual loop of the SDI signal. The BVSD2VC10 does buffer and re-clock this output.

Analog Composite Monitor

This connector outputs a continual composite video output for monitoring purposes, or for use as a second composite output.

See figure on next page for possible adjustments.

ADJUSTMENTS NOTE

Any adjustments on digital video equipment should be made by qualified technicians using calibrated test equipment. All adjustments should be made using non-conductive adjustment tools.

Making adjustments does not void your warranty.

Please call Keywest Technology before making any adjustments for any precautions and/or special procedures that may preclude adjustments

