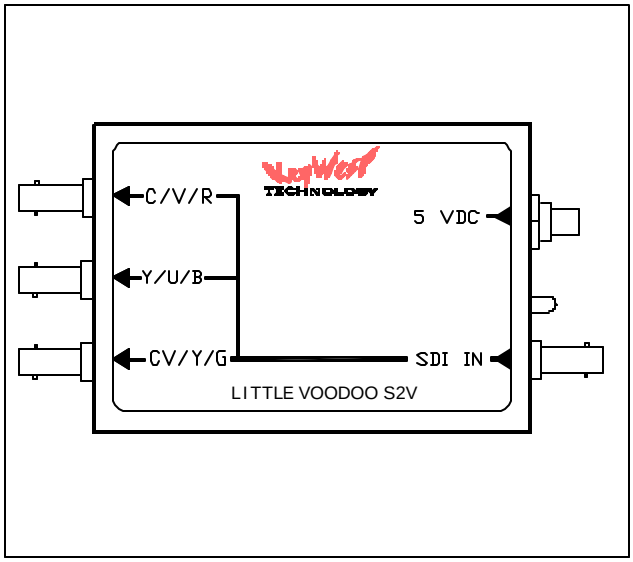
Multi-Standard Serial Digital Video to Analog Video Converter

The LVS2V converts 525 or 625 SMPTE 259M Serial Digital (CCIR 601) video to analog composite (NTSC or PAL-B), Y/C, or YCrCb video. The unit is designed as a low-cost, "broadcast quality" D-A. Closed Caption, Intercast, Teletext, and WSS data is maintained in the conversion process, per international broadcast standards. Four in-line miniature switches allow for input mode selection. A 100% color bar test signal output is also available with valid SDI timed input.



SPECIFICATIONS:

- Accepts 8-bit or 10-bit 525 or 625 serial digital SMPTE 259M video input (output standard same as input standard)
- Output format may be composite, Y/C, RGsB, or YCrCb
- Professional 75 ohm BNC input and output connectors
- 10-bit DAC resolution
- 5VDC Power Supply Included
- 80dB typical SNR
- 5.8 MHz typical luma NTSC bandwidth (to 3dB)
- 7nS frame input to output delay
- Passes all available VBI
- Ambient operating temperature –20 to + 70 °C

ORDERING INFORMATION

Part #	Options
LVS2V	BVRMK Rack-mount PSU (powers up to 8)

APPLICATIONS

- Truck/van conversions (eliminates need to replace entire monitor wall)
- Digital VTR to analog switcher, router, edit station
- In studio conversions
- Utilize SDI equipment with current analog equipment in any situation
- Transmit video noise-free over distances (with single cable)
- Multi-task costly SDI equipment
- Reduce SDI conversion budget by avoiding replacement of entire suite

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Questions? Call 800.331.2019 or
info@keywesttechnology.com
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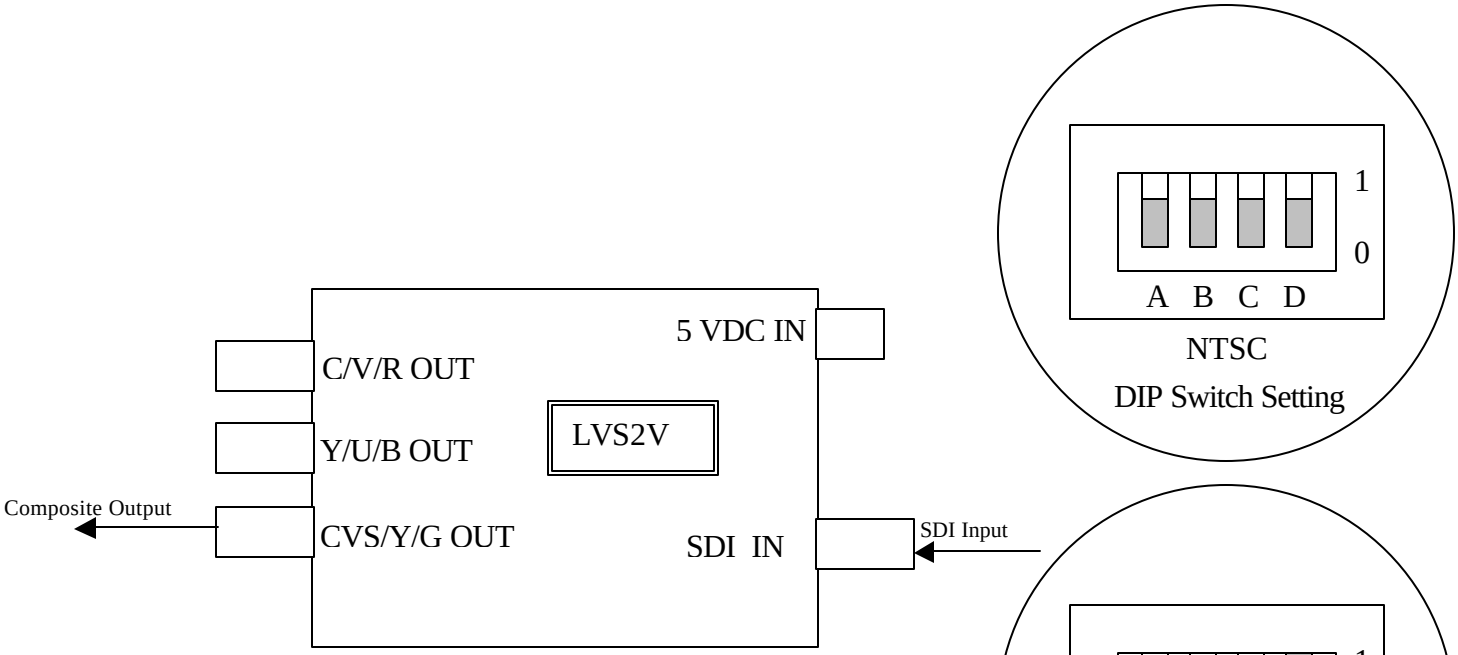
OPERATING INSTRUCTIONS

Serial Digital (SMPTE 259M) In – Composite Out



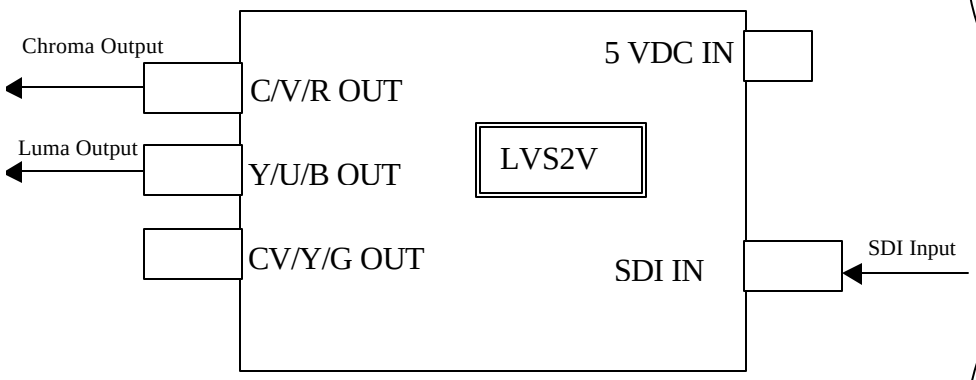
No User Adjustments In Composite Input Mode

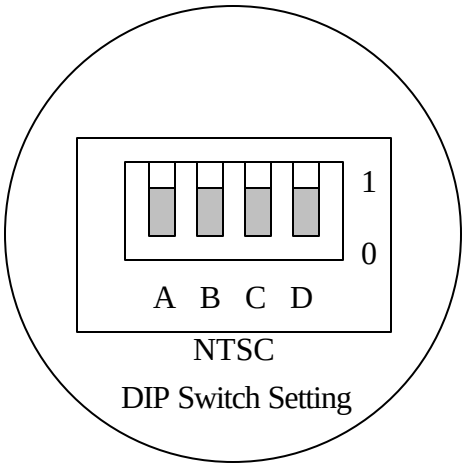
OPERATION NOTE

*The green LED located to the left of the power connector is **NOT** a power indicator. The LED will flash at power up, and at any change in the DIP switch settings—it is designed as acknowledgement to microprocessor power-up and switch changes only.*

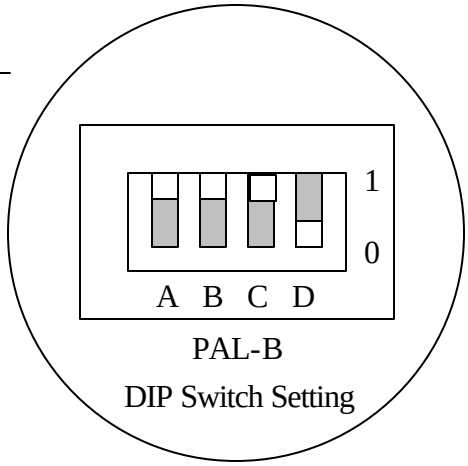
OPERATING INSTRUCTIONS

Serial Digital (SMPTE 259M) In – Y/C Out





NTSC
DIP Switch Setting



PAL-B
DIP Switch Setting

No User Adjustments In Y/C Input Mode

OPERATION NOTE

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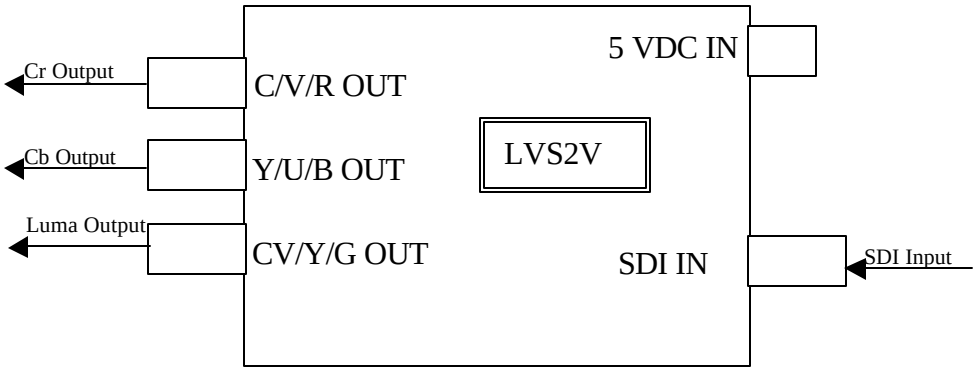
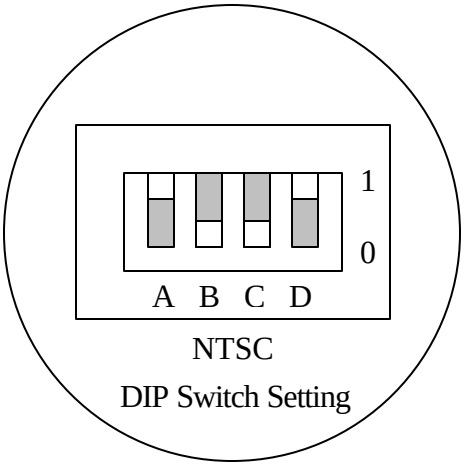
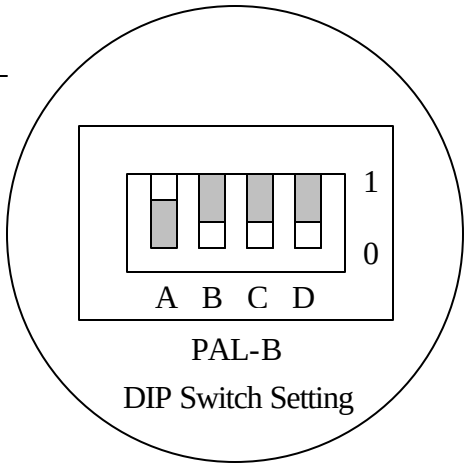
OPERATING INSTRUCTIONS

Serial Digital (SMPTE 259M) In – YCrCb Out







No User Adjustments

OPERATION NOTE

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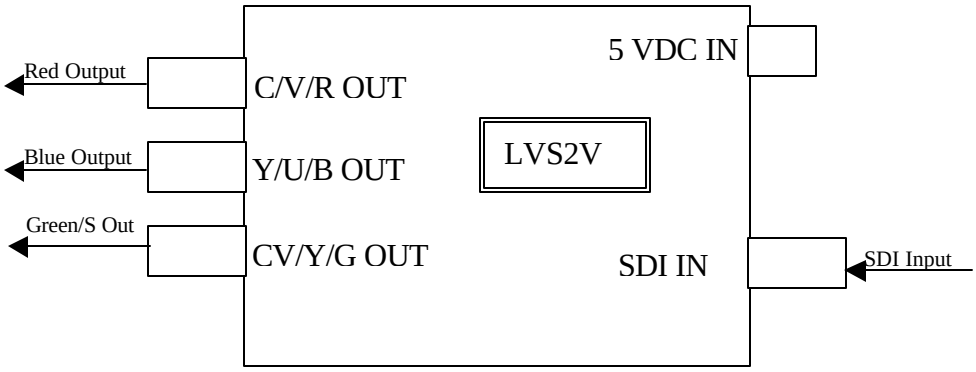
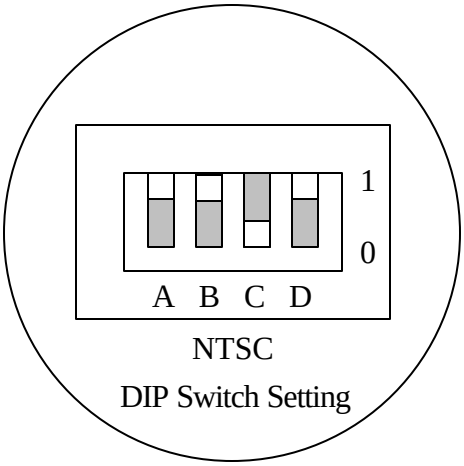
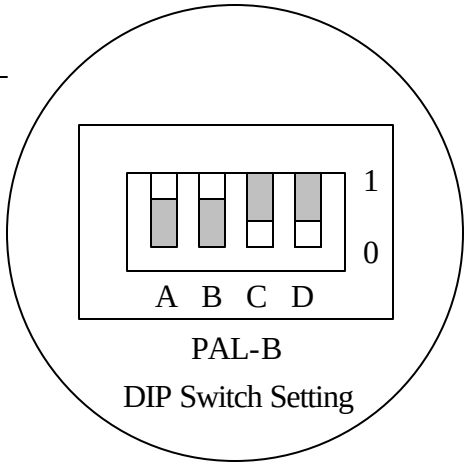
OPERATING INSTRUCTIONS

Serial Digital (SMPTE 259M) In – RGB Out





NTSC
DIP Switch Setting



PAL-B
DIP Switch Setting

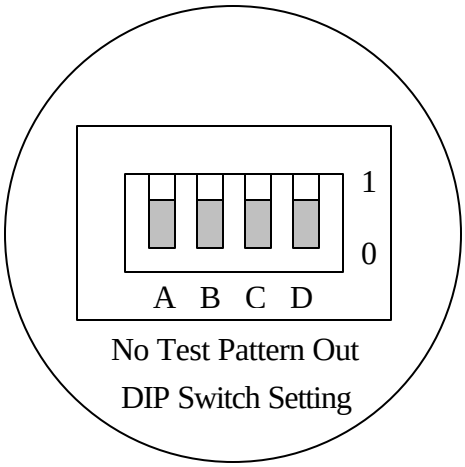
No User Adjustments

OPERATION NOTE

*The green LED located to the left of the power connector is **NOT** a power indicator. The LED will flash at power up, and at any change in the DIP switch settings—it is designed as acknowledgement to microprocessor power-up and switch changes only.*

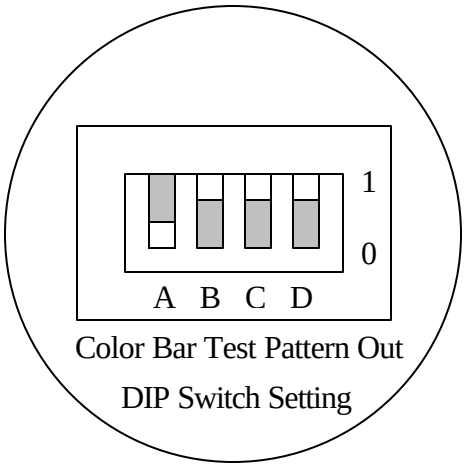
OPERATING INSTRUCTIONS

Special Settings:



No Test Pattern Out

DIP Switch Setting



Color Bar Test Pattern Out

DIP Switch Setting

The 100% color bar test pattern generation may be selected on or off by the user. Place "A" switch to the "0" position to generate the test pattern. The test pattern will output in the standard and format selected by the remaining switches

The LVS2V has no user adjustments at this revision.

The Boolean chart on the unit front panel may be misleading in the RGB modes. Both available RGB modes contain sync; therefore there is no difference between the two RGB selections.