

**DV-1 SDI-Analog Converter**  
**DV-2 Analog-SDI Converter**

**Manual Version 1.01**



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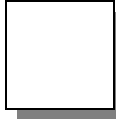
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**DV-1 Serial Digital to Analog Converter  
 DV-2 Analog to Serial Digital Converter**

Congratulations on your purchase from Burst Electronics Inc. This manual will cover the operation of the DV-1 Serial Digital to Analog Converter and the DV-2 Analog to Serial Digital Converter.

**DV-1**

The Model DV-1 converts Serial Digital into Analog Video.

Features include jumper selectable for either Composite or S-Video Output, as well as NTSC, PAL-B (Europe), or PAL-M (Brazil). The DV-1 provides 4:2:2 270 Mbit SMPTE 259M, and 10-bit decoding. The DV-1 can also be used as a Full Field Colorbar Generator.



DIP Switch Settings;

Video Standard Settings

- #1 Down, #2 Down = NTSC
- #1 Up, #2 Down = PAL-B (Europe)
- #1 Down, #2 Up = PAL-M (Brazil)

Composite, S-Video, Colorbar Generator Settings

- #3 Down = Pedestal On (NTSC Only)
- #3 Up = Pedestal Off
- #4 Down = Composite
- #4 Up = S-Video
- #5 Down = SDI - Analog (Normal Mode)
- #5 Up = Full Field Colorbars (Serial Digital input required)

## DV-2

The Model DV-2 converts Analog Video into Serial Digital Video. Features include jumper selectable for Composite or S-Video input, 7.5 IRE on/off, and Comb Filter on/off. The DV-2 will accept PAL, SECAM, and NTSC. The SDI outputs are 4:2:2 270 Mbit SMPTE 259M 270Mhz., 8-bit encoding.



### DIP Switch Settings:

#1 Down	= Composite
#1 Up	= S-Video
#2	= Not Used
#3 Down	= 7.5 IRE Setup On
#3 Up	= 7.5 IRE Setup Off
#4 Down	= Comb Filter Off
#4 Up	= Comb Filter On

### Notes Regarding Switches:

DV-2 Switch #3 should be set Off if the analog video coming in already has 7.5 IRE setup. If this switch is turned on, then the DV-2 will add another 7.5 IRE to your setup.

# Specifications

## DV-1

**Input:** SDI. NTSC or PAL 4:2:2  
270Mbit SMPTE 259M

**Outputs:** Selectable for Analog  
Composite or S-Video

**Output:** Adjustable -6dB to +3dB

**Power:** 5V 400mA Max (2 Watts)

## DV-2

**Input:** Selectable for Analog  
Composite or S-Video

**Outputs:** SDI. 4:2:2 270Mbit  
SMPTE 259M

**Power:** 5V 400mA Max (2 Watts)

**Video Connectors:** BNC

**Power:** 100 - 240 VAC 50/60Hz  
+5Vdc (center positive)  
1A Max 5 Watts Max

**Dimensions:** 2.8W x 0.8H x 4.5D

**Warranty:** One Year Parts and Labor