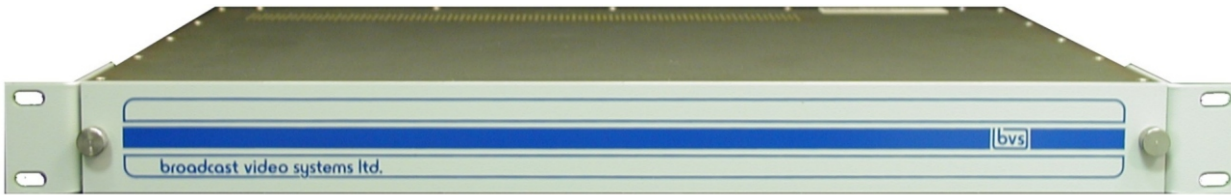




# CC-232D SDI LINE 21 TO RS232 DATA DECODER



## **EXTRACT LINE 21 CLOSED CAPTIONING DATA FROM ANY SDI VIDEO SIGNAL**

- Decodes line 21 data from a 525 line SDI video signal, or line 22 data from a 625 line SDI signal, as per EIA-608
- All data, including control characters, is decoded and sent out as serial data
- May be configured to decode field 1 only (closed captioning), field 2 only (extended data service), or both fields 1 and 2
- Outputs captioning data in RS232 or RS485 formats (user selectable) at 1200, 9600, 19.2K or 38.4K Baud
- Decoding and data output occur in real time (no buffering)
- Transparent video specs
- Card edge LED indicates video lock
- Failsafe bypass on power loss
- CC-232D is a plug-in board that is housed in the BVS FR601, 1RU frame: frame may house two additional SDI boards, ie. linear keyer, CC repositioner
- Optional redundant power supply available for FR601



## **SPECIFICATIONS**

Video Input.....	SMPTE 259M, 270 Mbs, 10 bit SDI, 75 ohm BNC
Video Output .....	10 bit SDI, 75 ohm BNC
Level.....	800mV, +/- 10%
Auto Input Equalization.....	100 meters
Line Standard.....	525/625 auto select
Decoder.....	line 21 (525 lines) or line 22 (625 lines)
Data Output.....	1200/9600/19.2K/38.4K Baud, RS232 or RS485, DB9 male
Operating Temperature.....	0-45 degrees C
Electrical.....	120/240 VAC, 50/60 Hz, 5 watts (FR601 frame & 1 PC board)
Board Dimensions.....	4" x 10.5"
Mechanical.....	FR601 Mounting Frame, 1RU (1.75" x 19" x 12"), houses any 3 SDI boards

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## FR601 FAMILY OF SDI BOARDS

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The FR601 family includes a variety of innovative and cost effective SDI products, all designed as single, plug-in boards. Up to three of these boards may be housed in the FR601, 1RU frame and power supply (optional redundant p.s. available).

**CARDKEY 2:** Linear keyer with adjustable transparency, card edge control plus GPI, or optional remote panel.

**MASTERKEY CK-2:** Chroma keyer with adjustable hue and key level, for blue and green screen backgrounds.

**DFB200:** Frame accurate fade to black with GPI.

**VBI-232D:** Encoder/decoder for transmission of remote control data in the Vertical Ancillary Space.

**DCB-21:** Closed Captioning positioner/bridge prevents previously encoded captions from blocking local road/weather warnings and EAS crawls. Also bridges CC data around 'unfriendly' processing equipment.

**DSC300:** Signal comparator and alarm, to compare two SDI streams and trigger GPO's on any difference or impairment of video or embedded audio.

**DMA200:** Frame accurate A/B mix amp with GPI.

**CC-101D:** Closed Captioning encoder encodes CC data on line 21 of an SDI signal.

**VC-1D:** V-Chip rating encoder generates & inserts program rating data onto line 21 of an SDI signal.

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