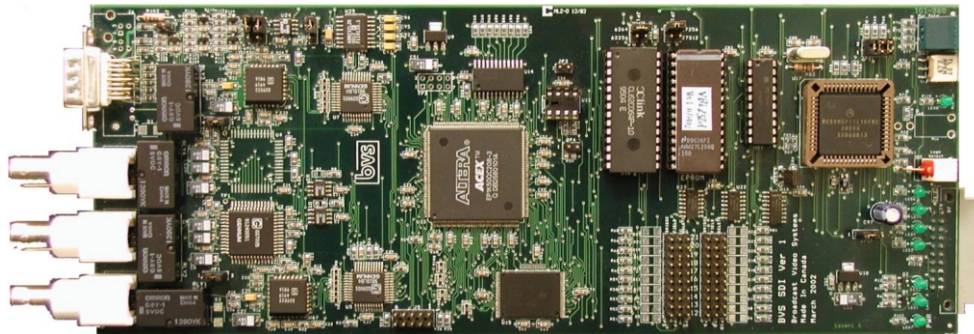




DCB-21 SDI CLOSED CAPTIONING POSITIONER / BRIDGE



PREVENT CAPTIONS FROM BLOCKING EMERGENCY WARNINGS

As per FCC ruling 47CFR79.2, "emergency information should not block any closed captioning and any closed captioning should not block any emergency information". The DCB-21 will vertically re-position previously encoded SDI closed captioning during local road/weather warnings or EAS crawls. Two GPI's, plus on-board jumpers provide a choice of five upper and five lower screen positions. The DCB-21 may also bridge both odd and even fields of line 21 around video processing equipment that disrupts this line. (The odd field of line 21 contains CC data, while the even field contains V-chip and Extended Data Services). This bridging mode may be activated separately or simultaneously with the re-positioning, via a third GPI. A unique feature of the DCB-21 is the ability to successfully bridge CC data from one SDI video source to another, without the two sources being synchronous or timed with each other. Embedded audio is passed through in all modes.

Re-position and bridge functions are initiated by latching GPI's. A power failure bypass relay is provided to ensure failsafe operation. The DCB-21 occupies one of three slots in the FR601, 1RU frame. An optional redundant power supply is available.

SPECIFICATIONS

Video Inputs (2).....	SMPTE 259M, 270 Mbs, 10 bit SDI, 75 ohm BNC
Video Output (1).....	10 bit SDI, 75 ohm BNC
Level.....	800mV, +/- 10%
Auto Input Equalization.....	100 meters
Processing.....	10 bit
GPI's.....	Reposition up or down, and bridge, DB9 connector
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.....	1 Rack Unit (1.75" x 19" x 12"), houses any 3 SDI boards

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FR601 FAMILY OF SDI BOARDS



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.

CCA-21: Closed Captioning alarm, constantly monitors SDI program video to ensure valid closed captioning.

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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