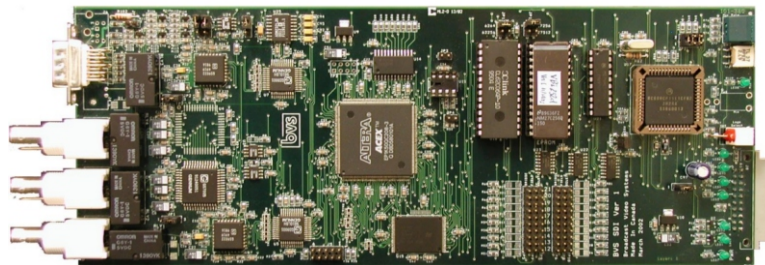


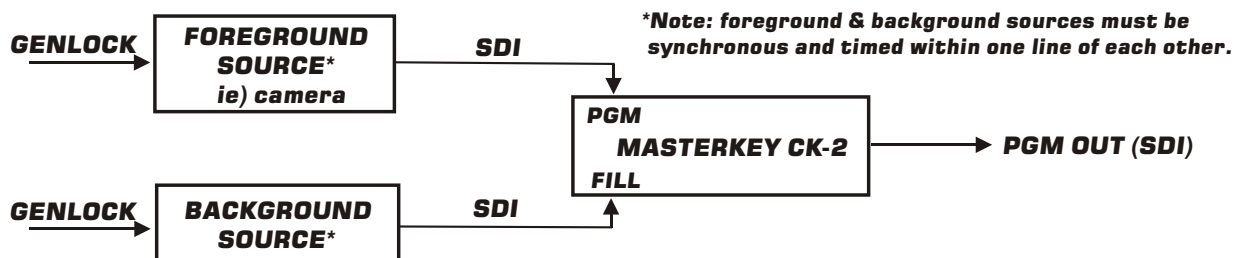


# MASTERKEY CK-2 SDI CHROMA KEYS



## SDI CHROMA KEYS ON A SINGLE CARD

- Complete, low cost SDI blue and green screen chroma keyer, all on one card
- 525/625 line operation (NTSC/PAL), automatically selected
- SDI (SMPTE 259M) inputs and output
- Front card edge controls for 'set and forget' operation
- Ideal for unattended or semi-automated operation in arcades, virtual entertainment establishments, science centers & museums
- Broadcast quality chroma keyer can also be used to free up a master control chroma keyer
- Hue adjustment to match background color, blue or green
- Adjustable key level for optimal image
- Plus/minus one line auto timing
- Remote key on/off pushbutton included
- Alternate or latching GPI (with tally output) to control key on/off from a remote location
- Failsafe bypass, EDH insertion on program output
- Occupies one of 3 slots in a BVS FR601, 1RU frame



## SPECIFICATIONS

Video inputs (pgm, fill).....	SMPTE 259M (ITU-R 601) 270 Mbs, 10 bit, SDI
Auto timing.....	plus/minus one line
Connector.....	BNC, 75 ohm
Level.....	800 mV, +/-10%
Return loss.....	> 15 dB, 5 MHz to 270 MHz
Auto input equalization.....	up to 160 meters (500 ft.) Belden 8281
Line standard.....	525/625, auto select
Processing.....	12 bit
Video output.....	800 mV, 10 bit SDI, 75 ohm BNC
GPI's.....	momentary or latching, pull to ground
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

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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.

**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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