



VC-1D SDI V-CHIP RATING ENCODER



The VC-1D enables broadcasters to insert program rating data without the expense of a full captioning system.

- Generates and inserts content rating, call letters, and network affiliation data onto line 21 of an SDI signal, as per EIA-744-A
- Supports U.S. and Canadian Guideline systems
- Desktop remote panel (5" x 7") or 1RU remote panel, via RS485
- Preset function ensures error free rating change
- Visual display of both current and preset rating
- Pass-through function for pre-encoded programs
- Preset or pass-through may be taken via remote panel or GPIs
- Automation control via RS232/485 communications port
- Windows software for PC control
- Failsafe bypass
- Up to three VC-1D encoder boards may be housed in the BVS FR601, 1RU frame

CDN

broadcast video systems corp.

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VC-1D 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
Processing.....	10 bit
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

Control

Desktop 5" x 7" slope front, or 1 RU rackmount.

RS485 (2-wire) between remote panel, chassis and optional PC/automation control **or** RS232/485 port for PC or automation control (user selectable).

Electrical

120/240 VAC, 50/60 Hz, 15 watts (3 boards)

Mechanical

Chassis..... height 1.75", width 19", depth 12", weight 9 lb. (with 3 boards)

Desktop Control Panel.....height 3" sloping to 1.25", width 7", depth 5", weight 1.5 lb.

One RU Rackmount Control Panel.....height 1.75", width 19.5", depth 3", weight 2 lb.



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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