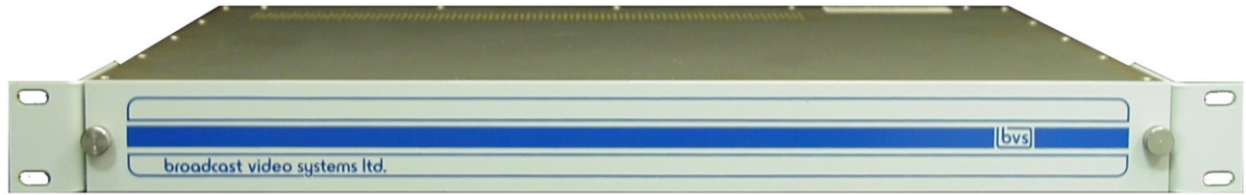




VBI-21 CLOSED CAPTIONING POSITIONER / BRIDGE



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 VBI-21 will vertically re-position previously encoded 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 VBI-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 VBI-21 is the ability to successfully bridge CC data from one NTSC video source to another, without the two sources being synchronous or timed with each other.

Re-position and bridge functions are initiated by latching GPI's. A power failure bypass relay is provided to ensure failsafe operation.

SPECIFICATIONS

Video Input.....	1 Vp-p, 75 ohm terminating
Video Output.....	1 Vp-p into 75 ohms
Video Performance:	
Frequency Response.....	< +/- 0.1 dB to 10 MHz
Diff. Phase	< 0.5 degrees
Diff. Gain	< 0.5%
Tilt (V&H).....	< 0.5%
S/N.....	> 65 dB
Path Length.....	16 ns
Operating Temperature.....	0-45 degrees C
Electrical.....	120/240 V, 50/60 Hz, 8 watts
Mechanical.....	1 Rack Unit (1.75" x 19" x 12")

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