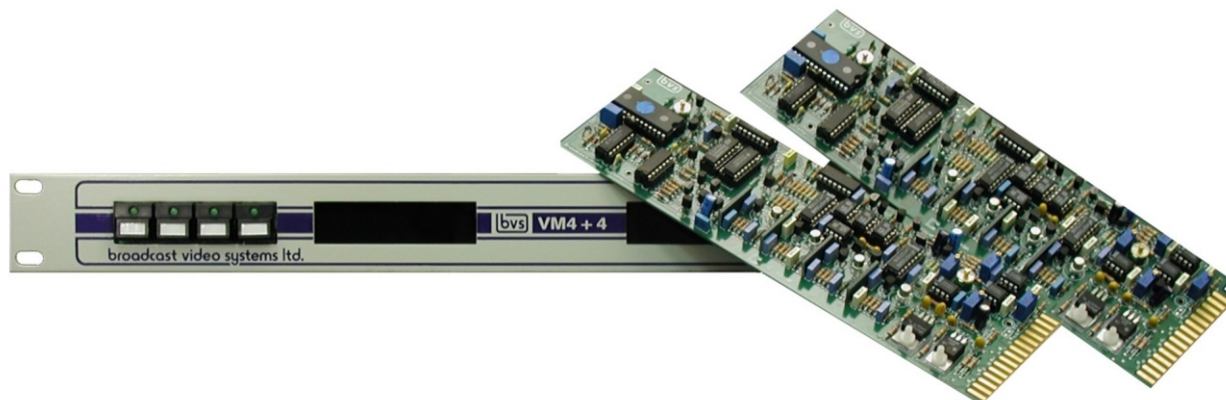




VM4 + 4, FOUR INPUT SUMMING KEY SWITCHER



MULTIPLE KEYS ON A SINGLE INPUT KEYSER

The VM4+4 consists of a two board set, plus a remote panel. The boards are designed to plug directly into two slots in a LEITCH VIDEO or GRASS VALLEY GROUP DA frame, or they may be housed in the BVS FR710 1RU frame and power supply. This matrix allows a single input keyer to perform up to 4 simultaneous keys, switched on or off, in any order. Two level switching handles both KEY and FILL signals.

The remote switching panel, operating on a single coax, may be located up to 200 feet from the matrix. An optional GPI interface is available.

As the VM4+4 adds the selected inputs together, all inputs must occupy a different area of active video and have zero setup. Sync, blanking and burst are regenerated from input 1.

SPECIFICATIONS

VIDEO INPUTS

Nominal video level.....	1Vp-p
Maximum video level.....	2Vp-p
Impedance.....	75 ohm terminating
Clamping.....	Back porch

VIDEO OUTPUTS

1 Key, 1 Fill	
Nominal video level.....	1Vp-p
Gain adjustment range.....	+/-0.7 dB
Impedance.....	75 ohm
DC at blanking.....	<75 mV
Clamp error (10-90% APL)	<50 mV

Freq Response: 0-10 MHz.....	+/-0.5 dB
10-20 MHz.....	+/-1.0 dB
20-30 MHz.....	-2 dB
Diff. phase (10-90% APL).....	<0.5 degrees
Diff. gain (10-90% APL).....	<0.5%
S/N.....	>65 dB
Crosstalk.....	>48 dB
Line tilt.....	<0.5%
Field tilt.....	<1.0%
Switching.....	Line 19
Electrical length.....	15 ns
Power.....	+15V/160 mA
	-15V/100 mA

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