



VM400 VIDEO SWITCHING MATRIX



Designed to plug directly into a Leitch Video or Grass Valley Group DA frame, the VM400 provides an economical solution for auxiliary video switching and routing.

Two versions of this versatile board are available: the VM400-1 is a 4x1 matrix and the VM400-2 is a 4x2 matrix. Many switching variations, for both composite and component signals, may be configured using the VM400 board as the basic building block. A single rack unit remote panel is provided to accommodate each configuration. Remote control, complete with tally back, is accomplished on a single coax. Remote panels may be located up to 200 ft. from the matrix board. The manual which accompanies the unit, outlines input, output, and control BNC's, depending on the make and model of the VDA frame. An optional GPI interface is available. Specify synchronous or non-synchronous inputs with order.

The BVS FR710, 1RU frame and power supply will house up to 3 VM400 boards, or a single board may be housed in the desktop FR3 half rack width frame and power supply.

SPECIFICATIONS

VIDEO INPUTS

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

VIDEO OUTPUTS

VM400-1..... 1
VM400-2..... 2 (1 per buss)
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

See over for suggested VM400 switching configurations

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VM400 CONFIGURATIONS

