



2x2 XGA / Audio Matrix Switcher

VP-2x2

The VP-2x2 is a high performance 2x2 high-resolution XGA / balanced stereo audio matrix switcher for VGA through UXGA signals. The machine offers audio-follow-video switching, as well as audio breakaway (when audio and video are switched separately). The user can pre-select a setting and activate it by pressing the TAKE control button. A LOCK button is provided on the front panel to prevent tampering with the unit. The

machine offers RS-232 control in addition to the front panel buttons. Video bandwidth exceeds 400 MHz ensuring transparent operation in all graphics and presentation applications. The machine is housed in a half 19" enclosure that can be rack mounted using an optional rack adapter. A 12V power supply is included but the optional VA-50P can power up to six devices requiring 12VDC.



2

VIDEO AND AUDIO SWITCHERS, MATRIX SWITCHERS AND CONTROLLERS

TECHNICAL SPECIFICATIONS

INPUTS:	2 VGA/UXGA on HD15F connectors 2 balanced stereo audio on detachable terminal block connectors.
OUTPUTS:	2 VGA/UXGA on HD15F connectors 2 balanced stereo audio on detachable terminal block connectors.
MAX. OUTPUT LEVEL:	Video: 1.7 Vpp; Audio: 7.2 Vpp.
BANDWIDTH (-3dB):	Video: 400 MHz, Audio: 100 kHz.
DIFF GAIN:	0.05%.
DIFF PHASE:	0.05 deg.
K-FACTOR:	<0.05%.
S/N RATIO:	Video: 78.3 dB; Audio: 95 dB, unweighted.
CROSSTALK:	Video: -43 dB; Audio: 77 dB @ 1 kHz.
CONTROLS:	Front panel touch switches, RS-232.
COUPLING:	DC.
AUDIO THD + NOISE:	<0.049%.
AUDIO 2nd HARMONIC:	<0.003%.
POWER SOURCE:	12 VDC, 150 mA.
DIMENSIONS:	22cm x 18cm x 4.5 cm (8.7" x 7" x 1.7") W, D, H, (half 19", 1U).
WEIGHT:	1.1 kg (2.4 lbs.) approx.
ACCESSORIES:	Power supply.
OPTIONS:	19" rack adapters RK-80 (holds two units) (see page 6.31 for details).

TYPICAL APPLICATIONS

Component routing in live broadcast and post production applications.
Computer graphics and medical applications.

Multi-channel component switching by simultaneous operation of several VS-2042 units using RS-232.