

## VS-2042

4x2 Component Video Matrix Switcher

GROUP 2



The Kramer **VS-2042** is a 4x2 matrix switcher designed for component video signals such as Y/R-Y/B-Y and RGSB. Since switching is performed during the vertical interval, transitions are glitch-free when sources share a common reference sync. It is a true matrix allowing any of the four inputs to be routed to either or both outputs simultaneously. The **VS-2042** can be controlled by front panel buttons or by RS-232 from a touch screen control system, personal computer, or other serial controllers. For systems requiring control via the serial port of a Windows®-based personal computer, Kramer's K-Router control software is included at no additional cost. Designed for broadcast applications, the **VS-2042** signal bandwidth 75MHz. Inputs and outputs are DC coupled for the highest signal quality.



### TECHNICAL SPECIFICATIONS

INPUTS:	4 component video (Y, R-Y, B-Y sets), 1V/0.7Vpp/75Ω on BNC connectors.
OUTPUTS:	2 component video (Y, R-Y, B-Y), 1V/0.7Vpp/75Ω on BNC connectors.
BANDWIDTH(-3dB):	75MHz.
DIFF. GAIN:	0.15%.
DIFF. PHASE:	0.25 Deg.
K-FACTOR:	0.3%.
SWITCH SYSTEM:	Vertical interval.
VIDEO S/N RATIO:	74dB.
CROSSTALK:	- 50dB at 10MHz.
CONTROL:	Manual or RS-232.
COUPLING:	DC.
POWER SOURCE:	230 VAC, 50/60 Hz (115VAC U.S.A.) 11.5 VA.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	2.9kg. (6.4 lbs.) approx.
ACCESSORIES:	Power cord, Windows® - based control software, Null modem adapter.

### 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.

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