YUV RS-232

4x2 Component Video Matrix Switcher VS-2042

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 new control software is included at no additional cost. Designed for broadcast applications, the VS-2042 signal bandwidth exceeds 75 MHz. Inputs and outputs are DC coupled for the highest signal quality.

TECHNICAL SPECIFICATIONS

INPUTS:	4 component video (Y, R-Y, B-Y), 1V/0.7Vpp/75 on BNCs.
OUTPUTS:	2 component video (Y, R-Y, B-Y), 1V/0.7Vpp/75 on BNCs.
BANDWIDTH:	75 MHz. -3dB.
DIFF. GAIN:	0.15%.
DIFF. PHASE:	0.25 Deg.
K-FACTOR:	0.3%.
CROSSTALK:	-50 dB at 10MHz.
COUPLING:	DC.
SWITCH SYSTEM:	Vertical interval.
CONTROL:	Front pannel buttons or RS-232.
VIDEO S/N RATIO:	74 dB.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz. (115VAC U.S.A.) 11.5 VA.
WEIGHT:	2.9 kg. (6.4 lbs.) approx.
ACCESSORIES:	Power cord, Windows 95/98 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.