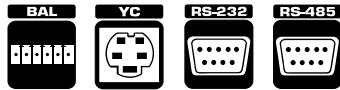
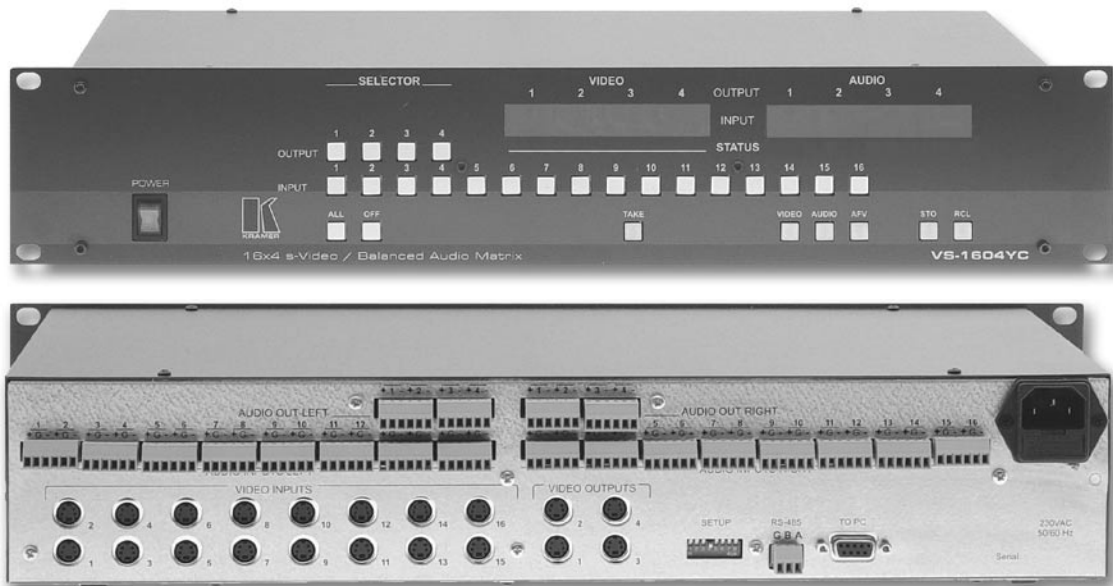


## VS-1604YC

### 16x4 YC/Balanced Audio Matrix



The Kramer **VS-1604YC** is a high performance, 16 x 4 Vertical Interval Matrix Switcher for s-Video and balanced stereo audio signals. The machine is a true matrix, allowing the user to route any input to any or all outputs simultaneously. Since the **VS-1604YC** switches during the vertical interval, transitions are glitch-free when sources share common reference sync. There are many updated features on this popular design including audio breakaway, which provides the ability to switch audio independently from video. In addition, the TAKE button allows the user to place multiple switches in a queue, and then activate them with one touch of this button or a single serial command. Kramer's K-Router control software is included for applications where a Windows® - based PC is used to control the **VS-1604YC**. There are three ways to control the **VS-1604YC**: front-panel buttons, RS-232, and RS-485. It is dependable, rugged, and fits in two vertical spaces of a standard 19" rack.



#### TECHNICAL SPECIFICATIONS

INPUTS:	16Y/C, Y = 1Vpp/75Ω, C = 0.3Vpp/75Ω on 4p connectors. 16 balanced audio stereo + 4dBm typ./47kΩ on detachable terminal blocks.
OUTPUTS:	4Y/C, Y=1Vpp/75Ω, C = 0.3Vpp/75Ω on 4p connectors. 4 balanced audio stereo + 4dBm typ./50Ω. on detachable terminal blocks.
MAX. OUTPUT LEVEL:	Video: 1.6Vpp/75Ω; audio: 27dBm.
BANDWIDTH (-3dB):	Video: 185MHz; audio: 100kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.03 Deg.
K-FACTOR:	< 0.05%.
S/N RATIO:	Video: 78dB; audio: 82dB, unweighted.
CROSSTALK:	Video: -69dB @ 5MHz, audio: -68dB @ 17Vpp, 1kHz.
CONTROL:	28 front panel control buttons, RS-232, RS-485.
COUPLING:	DC for "Y" channel, AC for "C" channel, AC for audio.
AUDIO THD + NOISE:	0.021%.
AUDIO 2nd HARMONIC:	0.004%.
POWER SOURCE:	230VAC, 50/60Hz, (115VAC U.S.A.) 17VA.
DIMENSIONS:	19 - inch (W), 7-inch (D), 2U (H) rack mountable.
WEIGHT:	3.4kg (7.5lbs) approx.
ACCESSORIES:	Power cord, Windows® - based control software, Null modem adapter.

#### TYPICAL APPLICATIONS

- Any professional system requiring outstanding value in a 16 x 4 matrix switcher.
- Production and duplications facilities, rental and staging.

