

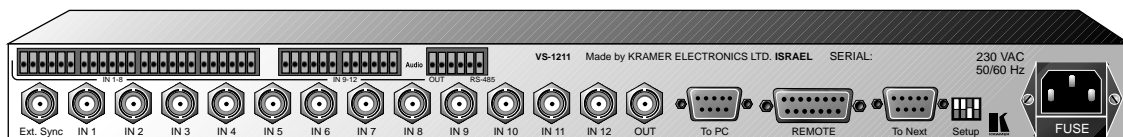
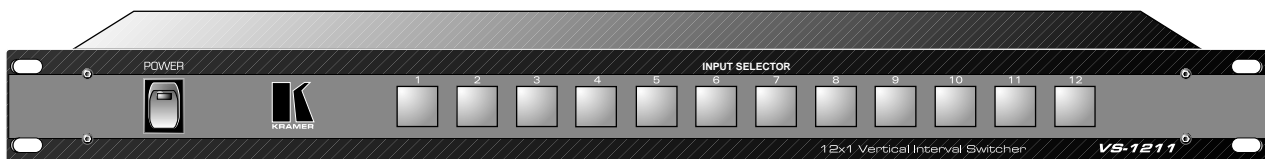


Vertical Interval Switchers VS-1211/411

The Kramer VS-1211, VS-1011, VS-811, VS-611 and VS-411 *Vertical Interval Switchers* provide truly effortless switching between twelve, ten, eight, six or four Video/Audio-stereo (or balanced mono) inputs to one output (video and audio). Switching is done during vertical interval, either of source no. 1 or of the video available on the external sync socket. The switchers may be controlled in four ways: Touch buttons, RS-232, RS-485 and contact closure via a remote socket on the back of the machines. All units in this line can be interconnected and cascaded, (2 VS-1211 machines become 24x1 etc.) The machines may be operated in parallel (three VS-1211 machines become a 12x1 video component switcher). Video signal bandwidth is 225 MHz (typical), allowing the machines to be used in the most demanding applications.

Some features and applications:

- ❖ Video production studios for routing various sources to appropriate acceptors.
- ❖ Live broadcast, for switching between cameras in *real-time*.
- ❖ CCTV and security applications, for scanning alarm cameras.
- ❖ Remote controlled switching.



Technical Specifications:

INPUTS:	12, 10, 8, 6, 4 Composite / single component Video, 1Vpp/75 Ω , on BNCs. 12, 10, 8, 6, 4 Audio-stereo or balanced mono, +4dBm, 10k Ω , on 2-part, snap fit terminal blocks. 1 external sync input (or composite video) 1Vpp/75 Ω , on a BNC connector.	
OUTPUTS:	RS-232 DB-9 control socket, RS-485 terminal block, DB-15 for remote connector. 1 Composite / single component Video, 1Vpp/75 Ω on a BNC. 1 Audio-stereo (balanced mono) up to +28Vpp /50 Ω , on terminal blocks.	
BANDWIDTH (VIDEO):	225 MHz -3dB (typical).	BANDWIDTH (AUDIO): 55 kHz, -0.1dB.
NON LINEARITY:	Less than 0.6%.	LUMA S/N: >76 dB.
DIFF. PHASE:	0.07 Deg.	DIFF. GAIN: 0.7%
K-FACTOR:	<0.05%.	
AUDIO S/N RATIO:	> 95 dB, Unweighted.	AUDIO THD+NOISE: 0.013%.
2nd HARMONIC:	<0.003% (1kHz).	AUDIO CROSSTALK: -79 dB.
DIMENSIONS:	19 inch, 1 U rack mountable.	
POWER SOURCE:	230 VAC, 50/60 Hz, (115VAC U.S.A.)	