

## RGBHV / Balanced Audio Matrix Switchers

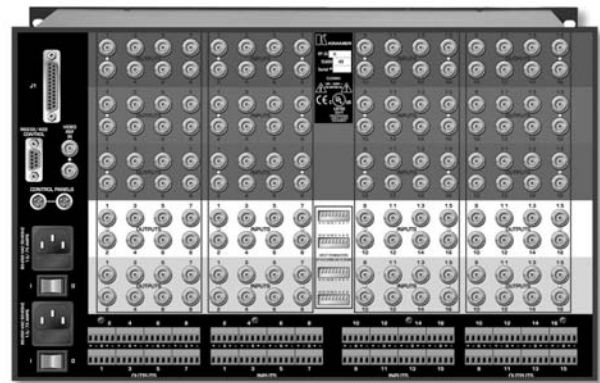
VP-88x/VP-128x/VP-168x/VP-1616x

The VP-1616x (16x16), VP-128x (12x8), VP-168x (16x8) and the VP-88x (8x8) are a series of ultra high performance RGBHV matrix switchers with stereo audio. They are capable of routing 16, 12, or 8 different RGB (RGBHV, RGBS or RGSB) signals to 16 or 8 separate outputs. These units are also capable of switching analog HDTV, component video, composite video and S-Video signals. They have a Room Grouping feature, allowing each switcher to be configured to act as up to 4 individual switchers in one box. A unique feature is their Matrix Mapping capability which allows the R, G and B channels to be switched independently. For example, input one could actually be 3 composite or 1 S-video and 1 composite signal on the R, G and B channels. In the case of the composite video example, these three signals could be treated as 3 separate inputs and switched independently while input two could be a typical RGBHV input. An RGB Delay feature, for cleaner signal switching, is included and is adjustable up to 10 seconds in length in 1/2 second intervals. The switchers also have a wide range of audio input and output gain and

attenuation control. The series employs a unique user interface in the form of a knob on the front panel. The knob allows the user to quickly dial in inputs and outputs and then use the "Take Switch" to enact switches. The knob also allows the user to quickly and conveniently set menu items. There is an easy to read LCD display on the front panel so the user can view input and output combinations and menu settings. The switchers have many other important features, including RS-232 and RS-422 control, input / output / salvo naming, individually buffered inputs and outputs, programmable presets or salvos, balanced and unbalanced audio switching, audio breakaway switching, front panel lockout, optional external control panels, dual power supply option, and microprocessor control.

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VIDEO AND AUDIO SWITCHERS, MATRIX SWITCHERS AND CONTROLLERS



## TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	Video: 16 x RGBHV on BNCs, RGB: 0.3-2.5Vpp/75 , H&V: 0.2-5Vpp/75 or 510 selectable. Audio: 16 x Balanced Audio Stereo / 20 k on detachable terminal blocks.
<b>OUTPUTS:</b>	Video: 16 x RGBHV on BNCs, RGB: 0.2-2.5Vpp/75 , H&V: 2Vpp/75 . Audio: 16 x Balanced Audio Stereo / 100 on detachable terminal blocks.
<b>MAX. OUTPUT LEVEL:</b>	Video: 2.5Vpp; Audio: +24dBu (balanced); +18dBu (unbalanced).
<b>BANDWIDTH:</b>	Video: > 300 MHz; Audio: 100kHz.
<b>CROSSTALK:</b>	Video: -80dB @ 1MHz, -47dB @ 100MHz; Audio: -80dB @ 1kHz.
<b>AUDIO CONTROL:</b>	Input: -10db to +20db, Output: Mute, 61db to +15db via RS-232/422, Front Panel or Software Control.
<b>AUDIO THD+NOISE:</b>	0.05% @ 15 kHz.
<b>CONTROL:</b>	Front panel (defeatable), RS-232, RS-422 and Optional External control panels.
<b>POWER SOURCE:</b>	115-230 VAC, 50/60 Hz. (Auto sensing).
<b>DIMENSIONS:</b>	19", 6U for VP-1616x and 168x; 3U for VP128x and VP-88x.