

Sierra Video 1608V5-B 16x8 RGBHV Video Matrix Switcher

RGB Video	
Bandwidth	450MHz @ -3dB
Video Gain	Unity
Crosstalk	-80dB @ 1MHz -47dB @ 100MHz -30dB @ 150MHz
Switching Speed	Deterministic
Input	
Video Level	0.2V to 5Vpp
Impedance	75ohm
Return Loss	<-30dB @5MHz
Connector Type	BNC
Output	
Video Level	0.2V to 2.5Vpp
Impedance	75ohm
Return Loss	<-30dB @5MHz
Connector Type	BNC
Stereo Audio	
Input Adjust Range	+20.5dB to -8dB
Output Adjust Range	+15dB to -59.5dB and fully off (MUTE)
Frequency Response	20Hz to 20kHz +/-0.5dB (typical -3dB @ 120kHz) (unity gain)
Dynamic Range	96dB (20Hz to 20kHz unweighted) (unity gain)
Crosstalk (All Inputs Hostile)	<-80dB @ 1kHz (Unity Gain) <-60dB @ 10kHz (Unity Gain)
IM & THD (20Hz to 20KHz)	THD: <0.025% (20Hz - 20KHz @ +4dBu) (unity gain) IM: <0.025 SMPTE-DIN @ +4dBu (unity gain) <0.01% CCIF @ +16dBu (unity gain)
Input	
Max Source Level	+24dBu
Impedance	20kohm Differential Mode 10Kohm Single ended Mode
Connector Type	5-pin terminal block for balanced or unbalanced operation
Output	
Max. Source Level	+24dBm balanced +18dBu unbalanced
Impedance	100kohm Differential Mode 50ohm Single ended Mode
Connector Type	5-pin terminal block for balanced or unbalanced operation
Control Features	
Local Front Panel Control	80 Character LCD Readout.
Control Panels	Supports SCP programmable control panels, XY & single bus control panels
Serial	General purpose 9-pin D-sub connectors Switchable RS-232 or RS-422 2 on 32x32 models, 1 on all others 9600, 38400, 115200 baud
Serial Protocols	SVS host, simple Kramer, and select others
RS-485	Mini-XLR for optional control panels
Ethernet	10/100 Base-T, full-duplex, RJ-45 connector
Ethernet Protocols	ARP, ICMP, Telnet, TCP/IP, HTTP
Web Server	For control
General	

Rack Unit Size / Frame	
8x4, 8x8, 12x4 & 12x8	3U
16x8, 16x16 & 8x16	6U
32x16, 32x32 & 16x32 (Video)	9U
32x16 & 32x32 (Audio)	3U
Dimensions	
8x4, 8x8, 12x4 & 12x8	19" x 11" x 5.25" W, D, H
16x8, 16x16 & 8x16	19" x 18.5" x 10.5" W, D, H
32x16, 32x32 & 16x32 (Video)	19" x 16.5" x 15.5" W, D, H
32x16 & 32x32 (Audio)	19" x 17" x 5.25" W, D, H Mounts in a standard 19" rack Depth measurements do not include front panel hardware or rear cabling
Power	90-240V AC, 50/60Hz (< 150 Watts)
Redundant Power Supply	Optional in 16x16, 16x8 & 8x16 Standard in 32x32, 32x16 & 16 x 32 models
Storage Temperature	-40° to 150°F
Operating Temperature	30° to 100° ambient
Humidity	10% to 90% non-condensing