

SIERRA PRO 64 XL



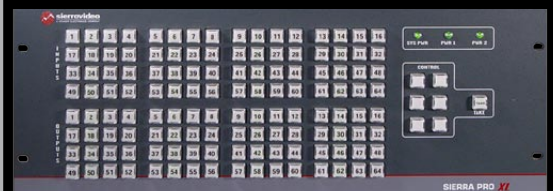
ULTRA-COMPACT 500MHZ ROUTING SWITCHER FOR HIGH-PERFORMANCE PRESENTATION ENVIRONMENTS

FEATURES:

- **High Bandwidth** - 500MHz @ - 3dB fully loaded.
- **Available I/O Configurations** - 32x48, 32x64, 48x32, 48x48, 48x64, 64x32, 64x48, & 64x64.
- **Compact Frame Size** - 10RU - smaller than most competitive units (RGBHV configuration).
- **Digital Sync Channels (HV)** - USP™ Sync Technology. Input detection 200mv. Re-shapes and re-squares sync to output correct TTL level.
- **Room Grouping Capability** - several inputs may be grouped and operated independently of other input groups on the routers.
- **Matrix Mapping™ Universal Breakaway Switching** - allows switching of every level of every input of the router independently.
- **Standard Dual Power Supplies** - two AC inlets provide true redundancy protection.
- **Front Panel Control** - 64 x 64 XY control interface.
- **Full Range of Sierra Control Hardware and Software Components, including Remote Control Panels, IP and Serial Control.**

20RU RGBHV

12RU RGB/YUV/Component HDTV



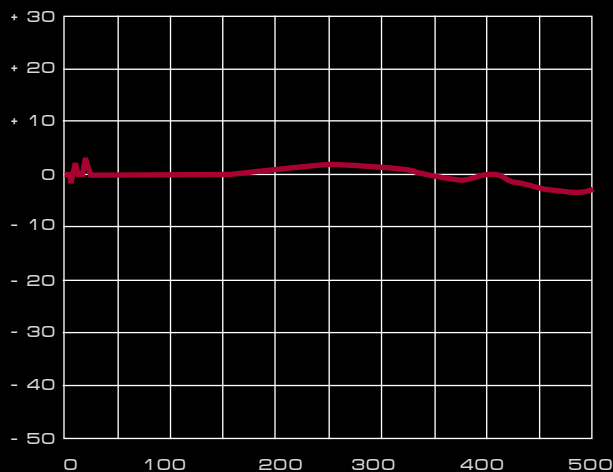
Sierra Pro 64 XL

The Sierra Pro 64 XL wideband routing switchers can be ordered as 5-channel (RGBHV) or 3-channel (RGB/YUV) systems. Each frame size can also be ordered with high bandwidth video boards in place of the H and V boards so video can be input into all channels (or levels) of the routing switcher. For applications requiring companion audio, the Sierra Pro 64 XL wideband routing switchers are compatible with Sierra Video's time-tested Yosemite line of audio routing switchers.

Sierra Video's advanced SCP line of programmable control panels manage the routing system along with our TyLinx™ router control software featuring the most intuitive router interface in the industry.

INCREDIBLY FLAT RESPONSE PERFORMANCE

Typical Response Curve for a Sierra Pro XL Routing Switcher, Fully Loaded.



Sierra Pro XL video boards yield incredibly flat response for optimal performance and reliability in high bandwidth applications.

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WIDEBAND VIDEO SPECIFICATIONS

BANDWIDTH	500MHz +/-3dB fully loaded
VIDEO GAIN	Unity
CROSSTALK	- 80dB @ 1MHz
SWITCHING SPEED	Deterministic
INPUT	
VIDEO LEVEL	0.03V p-p to 2.5V p-p
IMPEDANCE	75 Ohm
RETURN LOSS	< - 30dB @ 5MHz
CONNECTOR TYPE	BNC
OUTPUT	
VIDEO LEVEL	0V to 2.5V p-p
IMPEDANCE	75 Ohm
RETURN LOSS	- 30dB @ 5MHz
CONNECTOR TYPE	BNC

SYNC SPECIFICATIONS

INPUT TYPE	RGBHV, RGBS, RGSB, RsGsBs
OUTPUT TYPE	RGBHV, RGBS, RGSB, RsGsBs
INPUT LEVEL	0.5 to 5.0V p-p, 4.0V p-p normal
OUTPUT LEVEL	AGC to TTL: 4V to 5V p-p, un-terminated
VIDEO INPUT	Generates composite sync from any video input
INPUT IMPEDANCE	75 or 510 Ohm, user selectable for each input
OUTPUT IMPEDANCE	75 Ohm
HORIZONTAL	15kHz to 150kHz
VERTICAL	50Hz to 150Hz
POLARITY	Positive or negative (polarity insensitive)

CONTROL SPECIFICATIONS

SERIAL	3 general purpose 9 pin-D, each switchable RS-232 or RS-422 9600, 38400, 115200 baud
PROTOCOLS	SVS host, simple Kramer and select others
ETHERNET	10/100 Base-T, full duplex, RJ-45 connector
PROTOCOLS	ARP, ICMP, TCP/IP, Telnet, HTTP
WEB SERVER	For configuration and control
CONTROL PANELS	Local control panel standard Supports full line of SCP remote control panels
LEGACY SVS PRODUCT CONTROL	25-pin D expansion port, up to 8 additional signal levels
GPI/GPO	5 inputs/5 outputs

GENERAL SPECIFICATIONS

RACK UNIT/FRAME SIZE	4RU per signal (20RU for RGBHV)
DIMENSIONS	19" w x 7" h x 20 3/8" d Mounts in standard 19" rack Depth measurements do not include front panel hardware or rear cabling
POWER	90 VAC -> 240VAC 50/60Hz (<150 Watts) auto-detecting
REDUNDANT POWER SUPPLY	Standard
STORAGE TEMPERATURE	- 40° to +150° F
OPERATING TEMPERATURE	30° to 100° F ambient
HUMIDITY	10% to 90% non-condensing
WARRANTY	7 years
INVESTMENT PROTECTION	Trade In - Trade Up Routing Switcher Exchange Program
CUSTOMER SERVICE	24 hours a day, 7 days a week