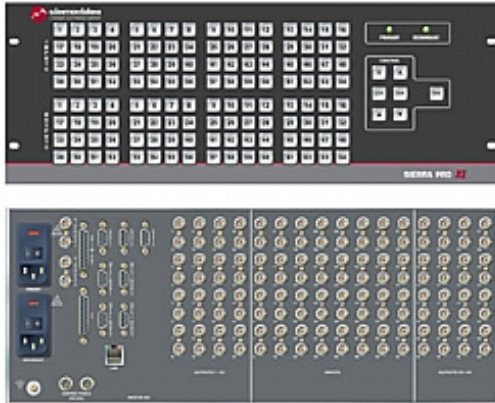


## Sierra Pro 64 XL 32x48 YUV Router Family

32x48 YUV Routers



32x48 YUV Matrix Switchers with 2 Configurations

## Sierra Pro 64 XL 32x48 YUV Router Family

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### RGB Video Feature

- High Video Bandwidth (RGB) - 500MHz (-3dB) fully loaded.
- Very Low Crosstalk - 80dB @ 1MHz.
- **Matrix Mapping™ Universal Breakaway Switching** - A unique and valuable benefit of Sierra Pro routing switchers. This feature allows the switching of every level of every input of the routing switcher independently. Switch a single level or any combination of levels of the R, G, B, H, V, left audio and right audio levels of any input. For example, input a composite video signal on the R level of input one and an s-Video (Y/C) signal on the G and B levels of input one and switch only the composite video signal on the R level, switch only the s-Video Y and C signals on the G and B levels, or switch all three levels together.
- **Room Grouping Capability** - Several inputs may be grouped and operated independently of other input groups on the routing switchers. This allows one routing switcher to be used for multiple “rooms” where the control system for each room will address only the inputs and outputs assigned to that room.
- **Video Follow Sync™ Switching** - The H and V channels of an RGBHV signal are switched in advance of the RGB video channels of the signal to provide clean, glitch-free switching between most non-synchronous sources.
- Video Mute Capability.
- Output Disconnect

### Sync Features

- **Digital Sync Channels (HV)** - USP™ Sync Technology. Reshapes and re-squares the sync to return the output to the correct TTL level.
- **Selectable Termination** - 510 or 75  $\Omega$  (each input).
- **Sync Reporting** - The routing switcher can capture and report the input sync rates for each input signal. Those rates can be read using Sierra Video’s TyLinX Pro™ Router Control Software or the Host port protocol.
- **Genlock Input** - Looping internal sync input for vertical interval switching

### Stereo Audio Features

- 5U Stereo Audio Frame
- **Audio Type** - Balanced or un-balanced stereo on terminal blocks.
- **Frequency Response** - 20Hz to 20KHz +/- 0.1dB
- **Dynamic Range** - 110dB ref. +24 dBm
- **Crosstalk** - >80dB @1kHz, >60dB @ 10KHz
- **IM & THD** - < 0.05% +24 dBm

### Control Features

- **Local Control Panel (Standard)** - Local front panel control (red channel frame) with 64x64 I/O label-capable buttons, a take button plus 6 additional buttons.
- RS-232, RS-485, RS-422 & Ethernet.
- **Optional Remote Control Panels** - Via RS-485.
- Supports TCP/IP Protocol - Rear Panel RJ-45 connector.
- WEB Browser Control
- TyLinX Pro Router Control Software.
- MediaNav™ Network-Enabled Router Control Software via 1RU Mediator - Optional.

### Other Features

- **Remote Control Panels (Optional)** - Programmable, Single Bus and XY.
- **Redundant Power Supplies** - Standard (each frame) with primary & redundant status indicators and dual AC inlets.
- Approvals - UL & CE.

## Sierra Pro 64 XL 32x48 YUV Router Family

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### TECHNICAL SPECIFICATIONS

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#### RGB Video

Bandwidth	500MHz (-3dB)
Video Gain	Unity
Crosstalk	-80dB @ 1MHz
Switching Speed	Deterministic
Video Input	RGBHV, RGBS, RGBsB, RsGsBs. Generates composite sync from any video input.
Video Level	0.03 to 2.5Vpp
Impedance	75Ω
Return Loss	<-30dB @5MHz
Connector Type	BNC
Video Level	0V to 2.5Vpp
Impedance	75Ω
Return Loss	-30dB @ 5MHz
Connector Type	BNC

#### Stereo Audio

Frequency Response	20Hz to 20kHz +/-0.1dB
Dynamic Range	>90dB ref. +24dBu
Crosstalk	<-80dB @1kHz, <-60dB @10kHz
IM & THD	±0.05% +24dBu
Max. Source Level	+24dBu
Impedance	>10kΩ balanced
Connector Type	Lockable 5-pin terminal block
Max. Level	+24dBu
Impedance	>150Ω balanced
Connector Type	Lockable 5-pin terminal block

#### Control Features

Local Control Panel	Red channel frame
Control Panels	Supports SCP programmable control panels, XY & single bus control panels

### CONFIGURATIONS

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Model	Description
3248V3R-XL	32x48 YUV Matrix Switcher. Redundant Power Supply. 12RU.
3248V3SR-XL	32x48 YUV Matrix Switcher. Redundant Power Supply. Balanced Stereo Audio. 17.RU.

## Sierra Pro 64 XL 32x48 YUV Router Family

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### Control Features

Legacy SVS Product Control	25-pin-D expansion port, up to 8 additional signal levels
Serial	3 general purpose 9-pin D-sub connectors Switchable RS-232 or RS-422 9600, 38,400 or 115,200 baud
Serial Protocols	SVS host, simple Kramer & select others
RS-485	Mini-XLR for optional control panels
Ethernet	10/100BaseT, full-duplex RJ-45 connector
Ethernet Protocols	ARP, ICMP, Telnet, TCP/IP, HTTP
Web Server	For full router control Local

### General

Video Frame	4U per frame (20U for RGBHV)
Audio Frame	5U
Video Frame	19" x 20 3/8" x 7" W, D, H
Audio Frame	19" x 8.75" x 20 3/8" 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 (<150W) auto detecting
Redundant Power Supplies	Standard. Dual AC inlets per frame
Storage Temperature	-40° to 150° F
Operating Temperature	30° to 100° F
Humidity	10% to 90% RH non-condensing
Warranty	7 years