

SIERRA PRO 64 XL



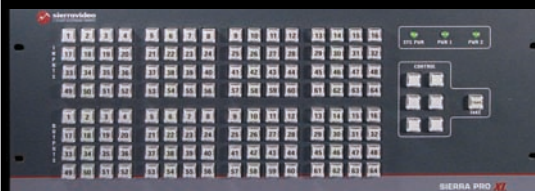
ULTRA-COMPACT 500MHZ ROUTING
SWITCHER FOR HIGH-PERFORMANCE
PRESENTATION ENVIRONMENTS

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



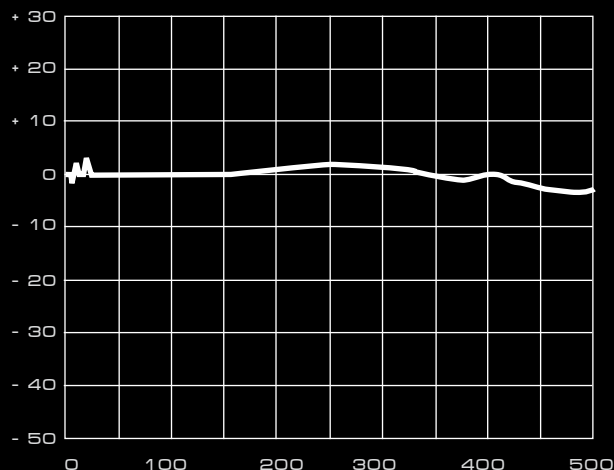
Sierra Pro 64 XL

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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sierravideo
A KRAMER ELECTRONICS COMPANY

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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 |
| GP/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 |