Sierra Video 88V3-B 8x8 RGB/YUV Video Matrix Switcher

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Size - 19" (3U)

The Sierra Pro XL routing switchers are a full featured series of high bandwidth routing switchers for RGBHV, RGBS, component video (RGB/YUV) and s-Video (Y/C) signals. Each frame size can be ordered as a 5-channel (RGBHV), 4-channel (RGBS), 3- channel (RGB/YUV) or 2-channel s-Video (Y/C) system, with or without balanced stereo audio. Each frame size can also be ordered with high bandwidth video boards in place of the H and V or composite sync boards so video can be input into all channels (or levels) of the routing switcher.

RGB Video Feature

- High Bandwidth - 450MHz (-3dB) fully loaded.
- Very Low Crosstalk - -80dB @ 1MHz, -47dB @ 100MHz, -30dB @150MHz.
- Matrix Mapping™ Universal Breakaway Switching - This unique Sierra Pro XL feature provides independent switching of every level of every R, G, B, H, V, left and right audio input on the routing switcher. You can switch a single level or any combination of levels. For example, you can 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, then switch only the composite video signal on the R level, 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 onthe 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 RGBvideo channels of the signal to provide clean, glitch- free switching between most non-synchronous sources.
- Qwik Adjust Knob™ Rotary Control Interface - This user-intuitive knob along with the 80 character LCD display provides quick and convenient setup, adjustment and signal switching.
- Video Mute Capability. - Switches to "no source" for blank display.

Sync Features

- 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.
- Input Detection - Reshapes and re-squares the sync to return the output to the correct TTL level.
- Selectable Termination - 510 or 75ohm (each input).
- Genlock Input - Looping external sync input for vertical interval switching.

Analog Audio Features

- Audio Type - Balanced or un-balanced stereo on terminal blocks.
- Input (Level) Adjustment Capability (-8dB to +20.5dB) - For each input via RS- 232, front panel, and TyLinx Pro Router Control Software.
- Output (Volume) Adjustment Capability (Mute, -59.5dB to +15dB) - For each input via RS-232, front panel, and TyLinx Pro Router Control Software.
- No Zipper Effect - Sierra Pro XL routing switchers employ zero crossover chip technology which eliminates the annoying "zipper sound effect" associated with digital volume controls.
- Audio Mute Capability.
- Crosstalk - <80dB @1kHz.

Control Features

- Local Front Panel Control With 80 Character LCD Readout.
- RS-232/422.
- RS-485 - For optional remote control panels.
- WEB Browser Control
- TyLinx Pro Router Control Software and TyLinx Pro Net™ Net work-Enabled Router Control Software.

Other Features

- Downloadable Firmware Updates
- Optional Control Panels - Programmable, single bus and XY.
- Redundant Power Supplies - Optional in 16 x 16, 16 x 8, and 8 x 16 models
  Standard in 32 x 32, 32 x 16, and 16 x 32 models
- UL & CE Approvals