Product Spec Sheet from Rentex

Roland V-800HD Multi-Format Video Switcher

Mfr Part No. V-800HD

The Roland V-800HD Multi-Format Video Switcher is a true multi-format video mixer, meaning that it doesn't require input sources to be matched to output resolutions. Every input has it's own broadcast quality scaler that can individually scale, stretch, crop and zoom each source as needed for the output resolution chosen. And most every type of digital and analog input is available, in video or computer format. On the output side, a built-in HDMI multi-viewer output provides a convenient monitoring solution. In addition to video channels, two channels are available for still images, which upload by USB memory stick or frame grab.

Features

- 8 Multi-Format Channels from 16 Inputs
- Broadcast Quality Scaler on Each Input
- Outputs in up to 1080/60p
- 4:4:4 / 10-Bit Processing
- Ten Assignable Video Cross-Points
- HDMI Multi-Viewer Output

Detailed Specifications

Processing	Y:Pb:Pr, 4:4:4, 10-bit
Still Image	Windows Bitmap File (.bmp); Max 1920 x 1200 pixels, 24 bit per pixel, uncompressed
I/O Level & Impedance	**Composite**: 1.0 Vp-p, 75 ohms **Analog HD/RGB**: 0.7 Vp-p, 75 ohms (H, V : 5 VTTL)
Inputs	4x 3G/HD/SD-SDI, conforms to SMPTE 424M (Level-A), 292M, 259M-C; 4x DVI-I (select between DVI-A or DVI-D/HDMI by switches next to the connector); 4x 15-pin D-sub Component and Analog RGB combined; 4x Composite on BNC
Outputs	2x 3G/HD/SD-SDI, conforms to SMPTE 424M (Level-A), 292M, 259M-C; 2x DVI-D; 1x HDMI for multi-view monitor; 1x 15-pin D-sub Component and Analog RGB combined; 1x Composite on BNC
Other Connectors	2x Tally on mini D-sub 15-pin (max input:12V, 200 mA open collector type); 1x RS-232C D-sub 9-pin; Reference: BNC (in, through), Black Burst (sync to frames), Bi-Level, Tri-Level; MIDI 5-pin DIN (in, out, through); 1x USB type A (for USB memory)

Supported Formats	**Video**: 480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p. The SDI input can input the same frame rate as a setup menu setting. (1080/50p conforms to VESA DMT Version 1.0 Revision 10.) **PC**: 640 x 480/60Hz, 800 x 600/60Hz, 1024 x 768/60Hz, 1280 x 768/60Hz, 1280 x 1024/60Hz, 1366 x 768/60Hz, 1400 x 1050/60Hz, 1600 x 1200/60Hz, 1920x1080/60 Hz, 1920 x 1200/60Hz **For all but the last three PC formats:** Output refresh rate is 75 Hz when frame rate is set to 50 Hz **920 x 1200/60Hz:** Reduced blanking **800 x 600/60Hz:** When reference is set to external, the resolution of 800 x 600 and refresh rate of 60 Hz are no longer compliant with the VESA standard. This means that display on some devices may not be possible in this situation.
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	75 W
Dimensions	19 x 10.8 x 4.6" (48.2 x 27.4 x 11.6 cm)
Weight	12.1 lbs (5.5 kg)