

Roland XS-83H 8-in x 3-out Multi-Format AV Matrix Switcher

VIDEO

- **Processing:** 4:4:4 (Y/Pb/Pr), 10-bit

Input Connectors:

- **HDMI :** Type A (19 pin) x 8 (Input 1 to 8) *HDCP supported
- **RGB/Component/S-video/Composite :** HD DB-15 type x 8 (Input 1 to 8)

Output Connectors:

- **HDMI :** Type A (19 pin) x 3 (Output 1 to 3)
- **HDBaseT :** RJ-45 x 3 (Output 1 to 3) *HDCP supported

Input/Output Level and Impedance:

- **RGB/Component Level :** 1.0Vp-p (luminance), 0.286Vp-p (chroma, NTSC), 0.3Vp-p (chroma, PAL) Impedance : 75 ohms
- **Composite/S-video Level :** 1.0Vp-p (luminance), 0.286Vp-p (chroma, NTSC), 0.3Vp-p (chroma, PAL) Impedance : 75 ohms

Input Supported Formats:

- **HDMI :** up to 1080p/59.94, up to 1920x1200/60
- **Component :** up to 1080p/59.94
- **RGB :** up to 1920x1200/60 *Reduced Blanking
- **Composite :** 480i/59.94, 576i/50
- **S-video** 480i/59.94, 576i/50
- **Still Image:** Windows® Bitmap File (.bmp)
- * **Maximum** 1920 x 1200 pixels, 24 bit per pixel, uncompressed

Output Supported Formats

- **HDMI/HDBaseT:** 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, 640 x 480/60 Hz, 800 x 600/60 Hz, 1024 x 768/60 Hz, 1280 x 768/60 Hz, 1280 x 1024/60 Hz, 1366 x 768/60 Hz, 1600 x 1200/60 Hz, 1920 x 1200/60 Hz
- * The output refresh rates of 640 x 480–1366 x 768 are 75 Hz when the unit's frame rate setting is 50 Hz.
- * Conforms to VESA DMT Version 1.0 Revision 11.
- * 1920 x 1200/60 Hz: Reduced blanking

Effects

- **Transition :** Cut
- **Composition :** PinP
- **Others :** Vertically flip, Horizontally flip, Rotated 90 degrees

AUDIO

Audio Processing:

- **Sampling Rate :** 24-bit/48 kHz

Input Connectors:

- **Digital :** HDMI Type A (19 pin) x 8
- **Analog :** 5 pin terminal block connector x 8

Output Connectors:

- **Digital :** HDMI Type A (19 pin) x 3
- **Analog :** 5 pin terminal block connector x 3

Input Level and Impedance:

- **Ch 1 to 2 :** -60 to +4dBu (Maximum: +22 dBu), 10k ohms (Gain 0 to 23 dBu), 5k ohms (Gain 24 to 64 dBu)
- **Ch 3 to 8 :** +4dBu (Maximum: +22 dBu), 8.5k ohms

Output Level and Impedance:

- **Ch 1 to 4 :** +4dBu (Maximum: +22 dBu), 600 ohms

Audio Formats:

- **HDMI** : Linear PCM, 24bit, 48kHz, 8ch

Audio Effects:

- **Input** : High-pass filter, 4-band equalizer, Gate/Expander, Compressor
- **Output** : 4-band equalizer, Gate/Compressor, Delay

OTHERS CONNECTORS

- **RS-232C** : D-Sub 9 pin type x 1
- **LAN** : RJ-45 x 1
- **USB** : A Type x 2 for USB memory, for WNA-1100RL

DISPLAY

- 2 color LCD 128 x 64 dots

OTHERS

- **Power Supply** : AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
- **Power Consumption** : 50w
- **Accessories** : Power Cord, Captive Screw Connectors, Rubber Fooths, Owner's Manual

SIZE AND WEIGHT

- **Width**: 481 mm 18-15/16 inches
- **Depth**: 334 mm 13-3/16 inches
- **Height**: 88 mm 3-1/2 inches
- **Weight**: 5.3 kg 11 lbs. 11 oz.