

# Main Specifications

## Roland V-60HD: HD Video Switcher

Video		
<b>Video Processing</b>	4:2:2 (Y/Pb/Pr), 8-bit	
<b>Input Connectors</b>	SDI IN 1–4	BNC type x 4 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M
	HDMI IN 5–6	HDMI type A x 2 * HDCP Supported * Multi-format Supported
	RGB/COMPONENT IN 6	HD DB-15 type x 1 * INPUT 6: HDMI or RGB/COMPONENT selected. * Multi-format Supported
<b>Output Connectors</b>	SDI OUT 1–2	BNC type x 2 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M
	HDMI OUT 1–2	HDMI type A x 2 * HDCP Supported
	HDMI MULTI-VIEW	HDMI type A x 1 * HDCP Supported
<b>Input Formats</b> *1 *2	SDI IN 1–4 *3	720/59.94p, 720/50p (SYSTEM FORMAT: 720p) 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080i, 1080p)
	HDMI IN 5–6 RGB/COMPONENT IN 6	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 VGA (640 x 480/60 Hz), SVGA (800 x 600/60 Hz), XGA (1024 x 768/60 Hz), WXGA (1280 x 800/60 Hz) SXGA (1280 x 1024/60 Hz), FWXGA (1366 x 768/60 Hz), SXGA+ (1400 x 1050/60 Hz) UXGA (1600 x 1200/60 Hz), WUXGA (1920 x 1200/60 Hz) * The refresh rate is the maximum value of each resolution. * Conforms to CEA-861-E,VESA DMT Version 1.0 Revision 11. * 1920 x 1200/60 Hz: Reduced blanking
	Still Image	Bitmap File (.bmp) * Maximum 1920 x 1080 pixels, 24-bit color, uncompressed. * It can be stored up to 2 files in the internal memory.
<b>Output Formats</b> *2	SDI OUT 1–2 *3	720/59.94p, 720/50p (SYSTEM FORMAT: 720p)
	HDMI OUT 1–2	1080/59.94i, 1080/50i (SYSTEM FORMAT: 1080i) 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080p)
	HDMI MULTI-VIEW	1080/59.94p, 1080/50p
<b>Video Effects</b>	Transition	CUT, MIX (DISSOLVE/FAM/NAM), WIPE (30 types)
	Composition	PinP (SQUARE, CIRCLE, HEART, DIAMOND), SPLIT (4 types), DSK (Luminance Key, Chroma Key)
	Others	Flip horizontal, Output fade, Still Image Capture, Still Image Playback, Test pattern output

\*1: The input interlaced video signal is converted to progressive video signal by internal processing.

\*2: The video signal frame rate can be selected at the SYSTEM menu (59.94 Hz or 50 Hz).

\*3: Conforms to SMPTE 296M, SMPTE 274M

Audio			
<b>Audio Processing</b>	Sampling rate	24 bits/48 kHz	
<b>Audio Formats</b>	SDI IN	Linear PCM, 24 bits/48 kHz, 2ch (Conforms to SMPTE 299M)	
	SDI OUT	Linear PCM, 24 bits/48 kHz, 8ch (Conforms to SMPTE 299M)	
	HDMI IN/OUT	Linear PCM, 24 bits/48 kHz, 2ch	
<b>Input Connectors</b>	Digital	SDI IN 1–4 HDMI IN 5–6	
	Analog	AUDIO IN 1–4	BNC type x 4 HDMI type A 19 pins x 2 Combo type (XLR, 1/4-inch TRS phone), phantom power *4 *4: DC 48 V (unloaded maximum), 10 mA (maximum load) * Current value per channel
		AUDIO IN 5–6	RCA phono type
<b>Output Connectors</b>	Digital	SDI OUT 1–2 HDMI OUT 1–2 HDMI MULTI-VIEW	
	Analog	AUDIO OUT	BNC type x 2 HDMI type A x 2 HDMI type A x 1 XLR type
		AUDIO OUT	RCA phono type
		PHONES	Stereo 1/4-inch phone type
	<b>Input Level</b>	AUDIO IN 1–4	-60– +4 dBu (Maximum: +22 dBu)
AUDIO IN 5–6		-10 dBu (Maximum: +8 dBu)	

<b>Input Impedance</b>	AUDIO IN 1-4	10 k ohms (HEAD AMP GAIN 0-23 dB), 5 k ohms (HEAD AMP GAIN 24-64 dB)
	AUDIO IN 5-6	15 k ohms
<b>Output Level</b>	AUDIO OUT (XLR)	+4 dBu (Maximum: +22 dBu)
	AUDIO OUT (RCA)	-10 dBu (Maximum: +8 dBu)
	PHONES	92 mW + 92 mW (32 ohms)
<b>Output Impedance</b>	AUDIO OUT (XLR)	600 ohms
	AUDIO OUT (RCA)	1 k ohm
	PHONES	10 ohms

**Audio Effects** Auto Mixing, EQ, Delay, Compressor, HPF, Gate, Multi-Band Compressor, Limiter

**Other Connectors**

<b>USB MEMORY</b>	USB A type (for USB drive)
<b>Tally/GPI</b>	DB-25 type (Female, Tally: 12, GPI: 8)
<b>RS-232</b>	DB-9 type (Male, for Remote Control)
<b>CONTROL</b>	RJ45 100BASE-TX (for Remote Control)

**Other Functions**

Preset Memory (8 types), Panel Lock Function, EDID Emulator, Smart Tally

**Display**

Graphic LCD: 128 x 64 dots

**Other**

<b>Power Supply</b>	AC Adaptor	<b>Dimensions</b>	356 (W) x 221 (D) x 96 (H) mm
<b>Current Draw</b>	3.1 A		14-1/16 (W) x 8-3/4 (D) x 3-13/16 (H) inches
<b>Power Consumption</b>	37.0 W	<b>Weight (excluding AC adaptor)</b>	3.0 kg
<b>Operation Temperature</b>	+0 to +40 degrees Celsius		6 lbs 10 oz
<b>Temperature</b>	+32 to +104 degrees Fahrenheit	<b>Accessories</b>	Owner's Manual, AC adaptor, Power cord

\* 0 dBu=0.775 Vrms

\* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

## Dimensions

