

Roland V-60HD 6-Channel HD Video Switcher

VIDEO	
Video Processing	4:2:2 (Y/Pb/Pr), 8-bit
Input Connectors	<p>SDI IN 1--4: BNC type x 4 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M</p> <p>HDMI IN 5--6: HDMI type A x 2 * HDCP Supported * Multi-format Supported</p> <p>RGB/COMPONENT IN 6: HD DB-15 type x 1 * INPUT 6: HDMI or RGB/COMPONENT selected. * Multi-format Supported</p>
Output Connectors	<p>SDI OUT 1--2: BNC type x 2 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M</p> <p>HDMI OUT 1--2: HDMI type A x 2 HDMI MULTI-VIEW: HDMI type A x 1 * HDCP Supported</p>
Input formats	<p>SDI IN 1--4: Conforms to SMPTE 296M, SMPTE 274M 720/59.94p, 720/50p SMPTE 296M(FORMAT switch = 720p) 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p SMPTE 274M(FORMAT switch = 1080i or 1080p) * The input interlaced video signal is converted to progressive video signal by internal processing. * The video signal frame rate can be selected at the SYSTEM menu (59.94 or 50).</p> <p>HDMI IN 5: HDMI/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 768/60 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 * The input interlaced video signal is converted to progressive video signal by internal processing. * The video signal frame rate can be selected at the SYSTEM menu (59.94 or 50).</p>
Still Image	<p>Windows(R) Bitmap File (.bmp) * Maximum 1920 x 1080 pixels, 24-bit color, uncompressed. * It can be stored up to 2 files in the internal memory.</p>
Output formats	<p>SDI OUT 1--2: Conforms to SMPTE 296M, 274M HDMI OUT 1--2: 720/59.94p, 720/50p (SYSTEM FORMAT = 720p) 1080/59.94i, 1080/50i (SYSTEM FORMAT = 1080i) 1080/59.94p, 1080/50p (SYSTEM FORMAT = 1080p) * The video signal frame rate can be selected at the SYSTEM menu (59.94 or 50).</p>
HDMI MULTI-VIEW:	1080/59.94p, 1080/50p
Video Effects	<p>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</p>
AUDIO	
Audio Processing	Sampling rate: 24 bits/48 kHz
Audio formats	<p>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</p>
Input Connectors	<p>Digital: SDI IN 1--4: BNC tyep x 4 HDMI IN 5--6 (HDMI Type A 19 pins) x 2</p> <p>Analog: AUDIO IN 1--4: Combo type (XLR, 1/4-inch TRS phone), phantom power AUDIO IN 5--6: RCA phono type</p>

Phantom Power	DC 48 V (unloaded maximum), 10 mA (maximum load) * Current value per channel
Output Connectors	Digital: SDI OUT 1--2: BNC type x 2 HDMI OUT 1--2: HDMI type A x 2 HDMI MULTI-VIEW: HDMI type A x 1 Analog: AUDIO OUT: XLR type AUDIO OUT: RCA phono type PHONES: Stereo 1/4-inch phone type
Input Level	AUDIO IN 1--4: -60--+4 dBu (Maximum: +22 dBu) AUDIO IN 5--6: -10 dBu (Maximum: +8 dBu)
Input Impedance	AUDIO IN 1--4: 10 k ohms (HEAD AMP GAIN 0--23 dB), 5 k ohms (HEAD AMP GAIN 24--+64 dBu) AUDIO IN 5--6: 15 k ohms
Output Level	AUDIO OUT (XLR): +4 dBu (Maximum: +22 dBu) AUDIO OUT (RCA): -10 dBu (Maximum: +8 dBu) PHONES: 92 mW + 92 mW (32 ohms)
Output Impedance	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
OTHERS	
Other Connectors	USB: USB A type (for USB memory) TALLY/GPI: DB-25 type (Female)(Tally: 12, GPI: 8) RS-232: DB-9 type (Male) *for Remote Control LAN: RJ45 100BASE-TX *for Remote Control
Other Functions	MEMORY (8 types) Panel lock function EDID Emulator Smart Tally
Display	Graphic LCD: 128 x 64 dots
Power Supply	AC Adaptor
Current Draw	3.1 A
Power Consumption	37.0 W
Operation Temperature	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
Dimensions	356 (W) x 221 (D) x 96 (H) mm 14-1/16 (W) x 8-3/4 (D) x 3-13/16 (H) inches
Weight (excluding AC adaptor)	3.0 kg 6 lbs 10 oz
Accessories	Owner's Manual AC adaptor Power cord