

# Main Specifications

## Roland VR-4HD: HD AV Mixer

Video		
<b>Video Processing</b>	4:2:2 (Y/Pb/Pr), 8-bit	
<b>Input Connectors</b>	INPUT 1–3	
	HDMI Type A (19 pins) x 3 * HDCP Supported	
	HDMI Type A (19 pins) x 1 * HDCP Supported	
	RGB/COMPONENT (Mini D-sub 15-pin type) x 1	
<b>Output Connectors</b>	INPUT 4	
	COMPOSITE (RCA phono type) x 1	
	* INPUT 4: HDMI, RGB/COMPONENT or COMPOSITE selected.	
	HDMI Type A (19 pins) x 1 * HDCP Supported	
<b>Input formats</b> <sup>*1*2</sup>	MAIN OUT	
	RGB/COMPONENT (Mini D-sub 15-pin type) x 1	
	PREVIEW OUT	
<b>Output formats</b> <sup>*2</sup>	USB 3.0	
	USB B type x 1	
	HDMI INPUT 1–3	
	720/59.94p, 720/50p (SYSTEM FORMAT: 720p) 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080i, 1080p)	
<b>Input formats</b> <sup>*1*2</sup>	INPUT 4	HDMI
		RGB/COMPONENT
		COMPOSITE
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 VESA DMT Version 1.0 Revision 11. * 1920 x 1200/60 Hz: Reduced blanking		
480/59.94i, 576/50i		
<b>Output formats</b> <sup>*2</sup>	MAIN OUT (HDMI, RGB/COMPONENT)	
	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 MAIN OUTPUT format of HDMI and RGB/COMPONENT is always the same.	
	PREVIEW OUT	
<b>Video Effects</b>	Transition	
	CUT, MIX (DISSOLVE/FAM/NAM/MOSAIC), WIPE (30 types)	
	Effects	
	NEGATIVE, EMBOSS, COLORIZE, COLORPASS, POSTERIZE, SILHOUETTE, MONOCOLOR, FINDEDGE (8 types)	
Composition		
PinP, SPLIT, QUAD, KEY (Luminance Key, Chroma Key)		

\*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).

Audio			
<b>Audio Processing</b>	Sampling rate	24 bits/48 kHz	
<b>Audio formats</b>	HDMI	Linear PCM, 24 bits/48 kHz, 2 ch	
	USB	Linear PCM, 16 bits/48 kHz, 2 ch	
<b>Input Connectors</b>	AUDIO IN 1–4		
	XLR/TRS combo type, phantom power		
	AUDIO IN 5–6		
	RCA phono type		
	AUDIO IN 7/8		
<b>Output Connectors</b>	Stereo miniature type		
	USB		
	USB B type (stereo)		
	Phantom Power		
	DC 48 V (unloaded maximum), 10 mA (maximum load) * Current value per channel		
<b>Signal Level and Impedance</b>	AUDIO OUT		
	L, R (XLR type) L, R (RCA phono type)		
	AUX OUT		
	L, R (RCA phono type)		
<b>Signal Level and Impedance</b>	USB		
	USB B type (stereo)		
	PHONES		
	Stereo miniature type		
	XLR/TRS combo type	Input Signal Level	-60/+4 dBu (Maximum: +22 dBu)
		Input Impedance	10 k ohms (GAIN 0–23 dB), 5 k ohms (GAIN 24–64 dB)
	RCA phono type	Input Signal Level	-10 dBu (Maximum: +8 dBu)
		Input Impedance	15 k ohms
		Output Signal Level	-10 dBu (Maximum: +8 dBu)
		Output Impedance	1 k ohm
XLR type	Output Signal Level	+4 dBu (Maximum: +22 dBu)	
	Output Impedance	600 ohms	
Miniature type	Input Signal Level	-15 dBu (Maximum: +3 dBu)	
	Input Impedance	15 k ohms	
Headphones	Output Signal Level	75 mW + 75 mW	
	Output Impedance	32 ohms	
<b>Audio Effects</b>	Auto Mixing, Echo Cancel, EQ, Delay, Compressor, HPF, Gate, Reverb, Multi-Band Compressor, Limiter		

■ Other Connectors

RS-232	D-sub 9-pin type
Tally/GPIO	Mini D-sub 15-pin type
USB 3.0 (device)	USB B type, USB-VIDEO (USB3.0), USB-AUDIO 2 IN/2 OUT (USB2.0), remote control from PC

■ Display

Graphic Color LCD, 320 x 240 dots, touch panel

■ Other Functions

MEMORY (8 types), FREEZE (input video captured), OUTPUT FADE (Audio, Video: WHITE or BLACK), INPUT CAPTURE

■ Other

Power Supply	AC Adaptor	Dimensions	339 (W) x 217 (D) x 87 (H) mm
Current Draw	3 A		13-3/8 (W) x 8-9/16 (D) x 3-7/16 (H) inches
Power Consumption	36 W	Weight (excluding AC adaptor)	2.4 kg
Operation Temperature	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit		5 lbs 5 oz
		Accessories	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

