

# Roland V-8HD Videomischer

## VIDEO

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### Video Processing

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4:2:2 (Y/Pb/Pr), 8-bit

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### Input Connectors

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INPUT 1--6: HDMI type A x 6  
\* HDCP Supported

INPUT 7--8: HDMI type A x 2  
\* HDCP Supported  
\* Multi-format Supported

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### Output Connectors

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OUTPUT 1--3: HDMI type A x 3  
\* HDCP Supported

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### Supported Video Input Formats

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#### INPUT 1-6

720/59.94p \*1, \*3

720/50p \*1, \*4

1080/59.94i, 1080/59.94p, 1080/60p, 1080/29.97p, 1080/30p \*2, \*3

1080/50i, 1080/50p, 1080/25p \*2, \*4

1080/23.98p, 1080/24p \*2

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

\*1 SYSTEM FORMAT = 720p

\*2 SYSTEM FORMAT = 1080i or 1080p

\*3 FRAME RATE = 59.94 Hz

\*4 FRAME RATE = 50 Hz

#### INPUT 7-8

480/59.94i, 480/59.94p, 720/59.94p, 1080/59.94i, 1080/59.94p, 1080/60p, 1080/29.97p, 1080/30p  
\*1

576/50i, 576/50p, 720/50p, 1080/50i, 1080/50p, 1080/25p \*2

1080/23.98p, 1080/24p

VGA (640x480/60Hz), SVGA (800x600/60Hz), XGA (1024x768/60Hz)

WXGA (1280x800/60Hz), SXGA (1280x1024/60Hz)

FWXGA (1366x768/60Hz), SXGA+ (1400x1050/60Hz)

UXGA (1600x1200/60Hz), WUXGA (1920x1200/60Hz)

\* 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.

\*1 FRAME RATE = 59.94 Hz

\*2 FRAME RATE = 50 Hz

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### Still Image

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Bitmap File (.bmp) Maximum 1920 x 1080 pixels, 24-bit color, uncompressed.

PNG File (.png) Maximum 1920 x 1080 pixels, 24-bit color

\* It can be stored up to 8 files in the internal memory.

\* PNG alpha channel not supported.

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### Supported Video Output Formats

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#### OUTPUT 1-2:

720/59.94p \*1, \*4

720/50p \*1, \*5

1080/59.94i \*2, \*4  
1080/50i \*2, \*5  
1080/59.94p \*3, \*4  
1080/50p \*3, \*5  
\*1 SYSTEM FORMAT = 720p  
\*2 SYSTEM FORMAT = 1080i  
\*3 SYSTEM FORMAT = 1080p  
\*4 FRAME RATE = 59.94 Hz  
\*5 FRAME RATE = 50 Hz

OUTPUT 3:  
1080/59.94p \*1  
1080/50p \*2  
\*1 FRAME RATE = 59.94 Hz  
\*2 FRAME RATE = 50 Hz

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## Video Effects

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Transition: CUT, MIX (DISSOLVE/FAM/NAM), WIPE (8 types)  
Composition: PinP x 2 (SQUARE, CIRCLE, DIAMOND), SPLIT (2 types), Keyer x 2 (Luminance Key, Chroma Key), DSK (Luminance Key, Chroma Key)  
Others: Flip horizontal, Flip vertical, Still Image Capture, Still Image Playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output

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## AUDIO

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### Audio Processing

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Sampling rate: 24 bits/48 kHz

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### Audio formats

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Linear PCM, 24 bits/48 kHz, 2ch

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### Audio Effects

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Delay, High pass filter, Compressor, Noise gate, Equalizer, Multi-band compressor, Limiter, Test tone output

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## CONNECTORS

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### Input Connectors

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INPUT 1--8: HDMI Type A x 8  
AUDIO IN: RCA phono type

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### Output Connectors

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OUTPUT 1--3: HDMI Type A x 3  
AUDIO OUT: RCA phono type  
PHONES: Stereo miniature type

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### Other Connectors

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USB MEMORY: USB A type (for USB flash drive)  
REMOTE: USB B Type (for remote control from iPad)  
CTL/EXP: 1/4-inch TRS phone type

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### Other Functions

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Preset Memory (8 types)  
Panel lock function  
EDID Emulator

Auto Switching  
Auto Input Detect

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## **AUDIO INPUT/OUTPUT CHARACTERISTICS**

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### Input Level

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AUDIO IN: -10 dBu (Maximum: +8 dBu)

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### Input Impedance

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AUDIO IN: 38 k ohms

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### Output Level

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AUDIO OUT: -10 dBu (Maximum: +8 dBu)  
PHONES: 92 mW + 92 mW (32 ohms)

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### Output Impedance

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AUDIO OUT: 1 k ohm  
PHONES: 10 ohms

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## **OTHER**

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### Display

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4.3 inches TFT Color LCD: 480 x 272 dots

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### Power Supply

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AC Adaptor

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### Current Draw

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3.3 A

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### Power Consumption

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39.6 W

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### Dimensions

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317 (W) x 193 (D) x 70 (H) mm  
12-1/2 (W) x 7-5/8 (D) x 2-13/16 (H) inches

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### Weight

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2.0 kg  
4 lbs 7 oz  
\* Excluding AC adaptor.

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### Operation Temperature

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+0 to +40 degrees Celsius  
+32 to +104 degrees Fahrenheit

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### Accessories

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Owner's Manual  
AC adaptor  
Power cord

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\* 0 dBu = 0.775 Vrms