



Roland VR-1HD AV Streaming Mixer

The VR-1HD is designed for live broadcasting. It has three “worry-free” HDMI inputs, that accepts a variety of HD and computer-based video resolutions. The audio from these sources can be blended with the two studio-quality XLR microphone inputs and dedicated line input. With the in-built Auto Switching and Auto Mixing functions the VR-1HD takes away the pressure of live broadcasting.



Physical

Size of unit	314mm W x 169mm D x 66mm H
Item weight	1.6kg
Size of unit cased	440 x 340 x 150mm
Cased Weight	4.6kg
Quantity in Case	1

Electrical

Rated Power	2 amp, 24w
Input Power	100–240V AC, 50/60Hz
Power connection	AC Adaptor

Mounting Options

Desktop only

Inputs/Outputs

Number of inputs	7
Input connector	HDMI x 3 Mic In Combo Type x 2 (XLR/1/4" TRS), option for 48v phantom power RCA (L+R) x 1
Supported input resolutions	Up to 1080p @ 60Hz
Number of outputs	5
Output connector	USB-A memory port x 1 USB-B streaming port x 1 HDMI x 3 (1 x Main, Monitor & Thru) RCA (L+R) x 1 3.5mm TRS
Supported output resolutions	Up to 1080p @ 60Hz

Parameters

Video Processing	4:4:4 (Y/Pb/Pr), 10-bit
Input Vision Formats	Up to WUXGA (1920 x 1200/60 Hz)
Output Vision Formats	Main/Monitor: Up to WUXGA (1920 x 1200/60 Hz USB Stream: Up to 1080/25p
Still Image	Maximum Size: 1920 x 1200 pixels Format: Windows Bitmap File (.bmp) 24 bit per pixel, uncompressed
Audio Processing	Sample rate: 48 kHz, 24 bits
Audio Formats	VIDEO INPUT 1--3 connectors: Linear PCM, 48 kHz, 24 bits, stereo USB STREAM port: Linear PCM, 48 kHz, 16 bits, stereo

Features

Video Effects	Scene: PinP, Split, PbyP Transition: Black fade, Mix fade, Motion Key Composition: Luminance key, Chroma key Other: Still Image playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output
Audio Effects	Auto mixing, Echo canceller, Howling canceller, EQ, Delay, Compressor, HPF, Gate, Reverb, Limiter, Voice changer
Auto Video Switching	Automatic switching based on who is speaking Switches cameras based on playing tempo of the music Switches between sources in a pre-defined order, or randomly at a chosen rate of time
Video Follows Audio	
Beat Syd Switching	
Auto Scan	
Auto Audio Mixing	Auto Mixing ensures audio inputs aren't competing while keeping the sound balanced. Option to set certain inputs as priority so when a host starts speaking other audio levels are reduced.
Audio Follows Video	Automatically changes audio input when switching video sources

Environmental

Cooling	Fan
Max operating temperature	0 – 40°C

Information Links

Manufacturer Link	<u>Roland</u>
Brochure	<u>VR-1HD Brochure</u>
Start Up Guide	<u>Start Up Guide</u>
User Manual	<u>VR-1HD User Manual</u>
Reference Manual	<u>Reference Manual</u>
Internal Diagram	<u>Block Diagram</u>

