



Roland V-1200HD

ProdCode: ROLV1200HD

Multi Format 10 Input Video Switcher



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Features

- Multi Format 10 Input Video Switcher
- 10 SDI and 4 HDMI inputs, and 6 SDI and 2 HDMI outputs
- 4:2:2/4:4:4 hybrid engine
- The 4:2:2 process functions as a 2 M/E switcher that is able to switch 2 M/E, 1.5 M/E, and 1 M/E.
- The 4:4:4 process functions as a multi-format processor that supports live presentation, split-screen, and matrix output.
- Up to 92 Inputs/Outputs 16-channel audio mixer
- Control of up to 7 remote cameras
- Optional control surface with a T-fader and dual displays - [V-1200HDR](#)
- All switcher functions can be operated from a computer using remote control software, V-1200HD RCS
- Input/output expandable via expansion slots

A comprehensive and flexible multi-format video switcher giving you complete control of video sources, key layers and mixing engine configurations. The V-1200HD introduces a unique flexible hybrid engine with 4:2:2 broadcast switcher and 4:4:4 live event switcher. In addition to powerful video capabilities, the V-1200HD also has a built-in 16-channel audio mixer.

Hybrid Engine 2 M/E Switcher and Processor for Broadcast and Live Events

The Roland V-1200HD Multi-Format Video Switcher is a 2 M/E switcher featuring a new 4:2:2 / 4:4:4 Hybrid Engine that combines the features of a production switcher with the power of a presentation switcher. Multiple M/E configurations can be selected from 1 M/E, 1.5 M/E and 2 M/E to meet the needs of your production. Inputs include 10 3G/HD-SDI and 4 HDMI with 6 3G/HD-SDI Outputs and 2 HDMI outputs. Scalers on HDMI inputs 3 & 4 and HDMI outputs support SD, HD and VESA resolutions. Switch using the [V-1200HDR](#) Control Surface or free downloadable Remote Control Software (RCS). The video inputs and the powerful built-in 16-channel audio mixer can be expanded with XI-Series video and audio expansion cards. An intuitive user interface with assignable cross-points and on screen names ensures maximum flexibility for and live production or broadcast.

2 M/E Mode

This provides a standard 2 M/E operation style. Two keyers can be used with each M/E. Keyer priority can also be assigned and changed. Not only is re-entry of the video source from M/E 1 to M/E 2 possible, but so is reverse re-entry from M/E 2 to M/E 1. This means you can switch the two M/Es and output them from a single PGM output. The two M/Es can also be output independently allowing for applications such as simultaneous transmission of captions in two different languages.

1.5 M/E Mode

This is the highest-performance operation style, capable of using PGM/PST rows as the final stage in addition to M/E 1. All four keyers can be used in M/E 1. You can freely change the priority of each keyer, and even copy keyers. This mode enables complex mixing operations such as switching a video source with four compositions to another single video source.

1 M/E Mode

This is a simple operation style using 1 M/E + 4 keys. In addition to using PGM/PST

rows on the main line, you can use two AUX buses. This mode allows discrete video feeds to be switched and routed to additional outputs making the V-1200HD the ideal primary switcher for a number of broadcast and live performance applications.

4:4:4 Multi-Format Processor

There are two scalers between the 4:2:2 engine and the 4:4:4 engine, and two scalers between HDMI IN 3 and 4 and the 4:4:4 engine. These enable switching, self key composition, and matrix output. Signals input from HDMI IN 3 and 4 can be sent to both 4:2:2 process and 4:4:4 process, which means if you choose the latter, you will get clearer computer images. With the scalers you can also display a single picture across two screens.

Processing

An innovative and flexible system designed to easily realize your full creative potential.

Operation

A dedicated V-1200HDR controller provides fast and accurate operation. Dual touch monitors provide quick and easy operation. All the functionality required for operation of a high-end switcher, in an efficient compact size.

Hardware

Multi-format support for a diverse range of inputs and outputs. Two expansion slots are provided for even more compatibility.

Applications

The flexible workflow and functionality supports a wide variety of live production applications.

- **Broadcast Studios**

A wide variety of video effects enhances broadcast studio productions.

Composition with freely selectable priority can be accomplished using the four scaler-equipped keyers. The system also features high-end Chroma Key, as well as the External Key essential for title compositing. In addition to PGM and PVW output, two AUX buses are usable for output (when in the 1M/E mode).

- **Live-performance Production**

Multiple M/E choices allow for a diverse range of video production applications in one switcher. The V-1200HD is ideal as a main switcher for concert

recording and for a live feed. Through a variety of multi-view functions, even a large number of sources can be checked at a glance. The M/E configuration can be varied as desired to meet the needs of the production. Control up to seven remote cameras ensures creative productions even with limited camera operators.

- **Events and Conferences**

Equipped with HDMI input and output with multi-format support. Freely mix computer and video sources and output to a wide range of displays and devices. Along with ten 3G/HD-SDI inputs, the V-1200HD features four HDMI inputs. Six 3G/HD-SDI and two HDMI outputs are also provided. Among these, the two HDMI inputs and outputs offer multi-format support. Computer sources with varying resolutions and frame rates are supported without a need for video converters. The signal is passed directly to the 4:4:4 process, so it can be output, unchanged, at the same high resolution.

- **Classrooms and Event Halls**

Supporting a rich range of control as a video/audio hub. The full-featured routing functionality enables conversion and distribution of a high number of video sources in a variety of formats. The V-1200HD can also achieve remote operation as a video/audio source hub from a variety of control terminals and programs. In addition to just simple video switching, the system also offers functions available only on production switchers, such as distributing PinP video to various locations.

