

Roland V-1SDI 4 Channel HD

Video Switcher



Product Descriptions

Roland's V-1SDI 4-Channel HD Video Switcher supports HD-only video signals over three of its inputs, and can support SD, HD, and computer video formats up to 1920 x 1200 (WUXGA) at 60 Hz on its fourth. It supports progressive and interlaced material, internally converting the interlaced footage to progressive for processing. Featuring a preview, program, and multi-view output, you can easily monitor all your inputs at once on the multi-view while isolating your preview and program screens.

The HDMI inputs and multi-view output are HDCP compliant, while the SDI inputs and SDI preview and program outputs support SMPTE 424M (SMPTE 425M-AB), 292M, and 259M-C. You can control the unit via the built-in RS-232 port, or via a PC using the USB connection. Eight memory functions enable you to recall specific setups, which makes it easier to get up and running when the switcher is shared among different productions. Built-in features include image freeze and output fades.

Product Details

Although care has been taken to ensure the accuracy of the information provided in this Product Specification, CTR is in no way liable for any errors, omissions or changes in specifications.

Features

Video Input

The switcher handles four video inputs, up to three SDI and up to two HDMI. Inputs 1 to 3 are SDI, with input 3 shared between SDI and HDMI with support for HD video formats. Input 4 is HDMI-only and, in addition to supporting HD video, also supports SD and computer formats.

Audio Input

The switcher supports analog audio on as well as mic input with or without plug-in power.

Video Effects

- Transition: Cut, Mix (Dissolve/Fam/Nam/Mosaic), Wipe (30 types)
- Composition: PiP, Split, Quad, DSK (Luminance key, Chroma key)

Audio Effects

EQ, Delay, Compressor, HPF, Gate, Reverb, Mastering effect

Multi-Viewer

This output can display all active inputs on the same screen via the HDMI output.

Features

Functions

The built-in memory function allows the memorization and convenient recall of panel settings, such as effect assignment to each button. The memory stores up to eight configurations and keeps stored settings, even with the power off

- Freeze video input
- Fade audio output
- Fade video to white or black

HDCP

The V-1SDI HDMI inputs and outputs are HDCP compliant.

Specifications

Video Processing	8-bit 4:2:2 (Y/Pb/Pr)
Audio Processing	24-bit at 48 KHz
SDI	Inputs 1 to 3 1080p: 59.94/50 1080i: 59.94/50 720p: 59.94/50
HDMI	Input 3 1080p: 59.94/50 1080i: 59.94/50 720p: 59.94/50
Input Level	Audio In: -10 dBu (Maximum: +8 dBu) Mic: -41 to -13 dBu (Maximum: -1 dBu)
Output Level	Audio Out: -10 dBu (Maximum: +8 dBu) Phones: 92 mW + 92 mW (32 Ohms)
Input	Video 3 x SDI, BNC 2 x HDMI Type A Audio Analog: RCA phono Mic: Stereo mini jack
Power Supply (AC)	AC adapter
Current Draw	2.1 A
Power Consumption	25 W
Operating Temperature	32 to 104°F / 0 to 40°C
Dimensions (H x W x D)	12.3 x 4.3 x 2.3" / 31.3 x 10.8 x 5.9 cm
Weight	2.6 lb / 1.2 kg (excluding AC adapter)