

Roland VC-1-SC Up/Down/Cross Scan Converter to/from SDI/HDMI with Frame Sync

INPUT CONNECTORS	
SDI	Connector: BNC type x 1 (Combined use with SDI Out Connector) Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C
HDMI	Connector: Type A (19 pins) x 1 Signal Standard: HDMI HDCP support (When an HDCP-applied signal is input, output from the SDI OUT connector is stopped)
RGB/Component	Connector: HD DB-15 type x 1 Signal Level: 1.0Vp-p (Y signal), 0.7Vp-p (R/G/B/Pb/Pr signals), 5VTTL (H/V signals) Impedance: 75 ohms
Composite	Connector: BNC type x 1 Signal Level: 1.0 Vp-p (Y signal), 0.286 V-p (C signal (NTSC)), 0.3 V-p (C signal (PAL)) Impedance: 75 ohms
Analog Audio	Connector: RCA phono type x 1 pair (L/R) (Combined use with Analog Audio Out Connector) Input Level: -6dBV Maximum Input Level: +6dBV Impedance: 22 k ohms
Reference	Connector: BNC type x 1 Impedance: 75 ohms Signal Format: Black Burst, Bi-level, Tri-level
OUTPUT CONNECTORS	
SDI	Connector: BNC type x 2 (One is Combined with SDI In Connector) Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C
HDMI	Connector: Type A (19 pins) x 1 Signal Standards: HDMI HDCP support
Analog Audio	Connector: RCA phono type x 1 pair (L/R) (Combined use with Analog Audio In Connector) Input Level: -6dBV Maximum Output Level: +6dBV Impedance: 2.2 k ohms
FORMATS	
SDI	Connector: BNC type x 1 (Combined use with SDI Out Connector) Signal Standards: SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C Video Formats: 1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i 1920x1080/30PsF/29.97PsF/25PsF/24PsF/23.98PsF (Conforms to SMPTE 274M) 1280x720/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p (Conforms to SMPTE 296M) 720x480/59.94i, 720x576/50i (Conforms to ITU-R BT.601-5) Color Format: 10 bits YCC 4:2:2 Audio Format: Linear PCM, 24 bits, 48 kHz, 16 ch (Conforms to SMPTE 299M, SMPTE 272M-C) *When frame synchronizer is engaged, CH 3-8 of HDMI and CH 3-16 of SDI audio output are not available.
HDMI	Video Formats: 1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i 1280x720/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p 720x480/59.94p/59.94i, 720x576/50p/50i (Conforms to CEA-861-E) PC Formats: 640x480/60/72/75/85Hz, 800x600/56/60/72/75/85Hz, 1024x768/60/70/75/85Hz, 1280x768/60/75/85/Hz, 1360x768/60Hz, 1152x864/75Hz, 1400x900/60/75/85Hz, 1280x960/60/85Hz, 1280x1024/60/75/85Hz, 1400x1050/60/75Hz, 1680x1050/60Hz, 1600x1200/60Hz, 1920x1200/60Hz Reduced blanking (Conforms to VESA DMT Version 1.0 Revision 11) Color Format: 10 bits YCC 4:2:2, 8 bits YCC 4:4:4, 8 bits RGB 4:4:4 Audio Format: Linear PCM, 24 bits, 48 kHz, 8 ch
RGB/Component	Video Formats: 1920x1080/60p/59.94p/50p/60i/59.94i/50i/24PsF/23.98PsF (Conforms to SMPTE 274M) 1280x720/60p/59.94p/50p (Conforms to SMPTE 296M) 720x480/59.94p/59.94i, 720x576/50p/50i PC Formats: 640x480/60/72/75/85Hz, 800x600/56/60/72/75/85Hz, 1024x768/60/70/75/85Hz, 1280x720/60Hz, 1280x768/60/75/85/Hz, 1360x768/60Hz, 1152x864/75Hz, 1400x900/60/75/85Hz, 1280x960/60/85Hz, 1280x1024/60/75/85Hz, 1400x1050/60/75Hz, 1680x1050/60Hz, 1600x1200/60Hz, 1920x1080/60Hz, 1920x1200/60Hz Reduced blanking (Conforms to VESA DMT Version 1.0 Revision 11)
Composite	Video Formats: NTSC, PAL
PROCESSING	
Audio Embed/De-embed	2ch
Frame	Frame sync is activated when a reference signal is detected. When frame synchronizer is engaged, CH 3-8 of HDMI and

Synchronizer	CH 3-16 of SDI audio output are not available.
Resolution Conversion	Selectable Full/LetterBox/Crop/Dot-by-Dot Type
Frame Rate Conversion	Frame Skip/Repeat Type
OTHERS	
USB	USB Type B (Hi-Speed USB) x 1
Power Supply	DC 9 V (AC Adaptor)
Operation Temperature	+0--+40 degrees Celsius +41--+104 degrees Fahrenheit
Accessories	AC adaptor Power Cord Rubber Foot x 4 Owner's Manual
SIZE AND WEIGHT	
Width	150 mm 5-15/16 inches
Depth	130 mm 5-1/8 inches
Height	30 mm 1-3/16 inches
Weight	500 g 1 lbs. 2 oz.