

**Roland VC-1-DL Bi-directional SDI/HDMI with Delay and Frame Sync**

INPUT	
SDI Connector	BNC type x 1
HDMI Connector	Type A (19 pins) x 1
Analog Audio Connector	1/4" TRS phone type ( balanced ) x 1 pair (L/R)
Digital Audio Connector	1/4" TRS phone type ( balanced ) x 1 (Combined use with Analog Audio R ch Connector )
Reference Connector	BNC type x 1
Reference Signal Format	Black Burst, Bi-level, Tri-level
Reference Impedance	75 ohms
PROCESSING	
Video delay ( 0 to 4.5 frames ) Audio delay ( 0 to 4.5 frames ) Audio embedding Audio de-embedding	
OUTPUT	
SDI Connector	BNC type x 1
HDMI Connector	Type A (19 pins ) x 1
Analog Audio Connector	1/4" TRS phone type ( balanced ) x 1 pair ( L/R)
Digital Audio Connector	1/4" TRS phone type (balanced ) x 1 (Combined use with Analog Audio R ch Connector )
INPUT / OUTPUT FORMAT	
SDI Input Signal Standards	SMPTE 424M(SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C
SDI Input Video Format	1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i (Conforms to SMPTE 274M ), 1280x720/60p/59.94p/50p/30p/29.97p/25p (Conforms to SMPTE 296M ), 720x487/59.94i, 720x576/50i (Conforms to ITU-R BT.601-5 )
Audio Format	Linear PCM, 24 bits, 48 kHz, 16 ch *1 (Conforms to SMPTE 299M, SMPTE 272M-C)
HDMI Input Video Format	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, 720x480/59.94i, 720x576/50i (Conforms to CEA-861-E)
HDMI Input Audio Format	Linear PCM, 24 bit, 48 kHz, 8 ch *1
SDI Output Signal Standards	SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C
SDI Output Video Format	1920x1080/60p/59.94p/50p/30p/29.97p/25p/24p/23.98p/60i/59.94i/50i (Conforms to SMPTE 274M ), 1280x720/60p/59.94p/50p/30p/29.97p/25p (Conforms to SMPTE 296M), 720x487/59.94i, 720x576/50i (Conforms to ITU-R BT.601-5 )
SDI Output Audio Format	Linear PCM, 24 bits, 48 kHz, 16 ch *1 (Conforms to SMPTE 299M, SMPTE 272M-C)
HDMI Output Video Format	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, 720x480/59.94i, 720x576/50i (Conforms to CEA-861-D)
HDMI Output Audio Format	Linear PCM, 24 bit, 48 kHz, 8 ch *1
AUDIO INPUT / OUTPUT	
Analog Audio Input Level	+4dBu
Analog Audio Maximum Input Level	+24dBu
Analog Audio Input Impedance	110 ohms
Analog Audio Output Level	+4dBu
Analog Audio Output	600 ohms

Impedance	
Digital Audio Output Signal Format	AES3, 16/24 bits, 32/48 kHz, 2 ch
Digital Audio Output Impedance	110 ohms
OTHERS	
USB Connector	USB Type B (Hi-Speed USB) x 1
Power Supply	DC 9V
Power Consumption	8W
Operation Temperature	+0 to + 40 degrees Celsius
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.