

# ROLAND VC-1-SH

## INPUT

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SDI Connector

---

BNC type x 1

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Analog Audio Connector

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1/4" TRS phone type ( balanced ) x 1 pair (L/R)

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Digital Audio Connector

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1/4" TRS phone type ( balanced ) x 1 (Combined use with Analog Audio R ch Connector )

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## PROCESSING

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Audio embedding Audio de-embedding

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## OUTPUT

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SDI Connector

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BNC type x 1 ( Thru/Out )

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HDMI Connector

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Type A (19 pins ) x 1

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Analog Audio Connector

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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 )

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## **INPUT / OUTPUT FORMAT**

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### **SDI Input Signal Standards**

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SMPTE 424M(SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C

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### **SDI Input Video Format**

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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 )

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### **Audio Format**

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Linear PCM, 24 bits, 48 kHz, 16 ch (Conforms to SMPTE 299M, SMPTE  
272M-C)

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### **HDMI Input Video Format**

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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)

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### **HDMI Input Audio Format**

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Linear PCM, 24 bit, 48 kHz, 8 ch

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### **SDI Output Signal Standards**

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SMPTE 424M (SMPTE 425M-AB), SMPTE 292M, SMPTE 259M-C

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### **SDI Output Video Format**

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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 )

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### **SDI Output Audio Format**

---

Linear PCM, 24 bits, 48 kHz, 16 ch (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-E)

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### **HDMI Output Audio Format**

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Linear PCM, 24 bit, 48 kHz, 8 ch

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## **AUDIO INPUT / OUTPUT**

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Analog Audio Input Level

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+4dBu

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Analog Audio Maximum Input Level

---

+24dBu

---

Analog Audio Input Impedance

---

110 ohms

---

Analog Audio Output Level

---

+4dBu

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Analog Audio Output Impedance

---

600 ohms

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Digital Audio Output Signal Format

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AES3, 16/24 bits, 32/48 kHz, 2 ch

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Digital Audio Output Impedance

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110 ohms

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## **OTHERS**

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USB Connector

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USB Type B (Hi-Speed USB) x 1

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Power Supply

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DC 9V

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Power Consumption

---

8W

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Operation Temperature

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+0 to + 40 degrees Celsius

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Accessories

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AC adaptor, Power Cord, Rubber Foot x 4, Owner's Manual

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## SIZE AND WEIGHT

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Width

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150 mm  
5-15/16 inches

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Depth

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130 mm  
5-1/8 inches

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Height

---

30 mm  
1-3/16 inches

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Weight

---

500 g  
1 lbs. 2 oz.

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( $0dBu=0.775V_{rms}$  )