

# Roland V-1200HD-SYS V-1200HD System (included V-1200HD and V-1200HDR)

## V-1200HD

### Processing

4: 4: 4 (Y/Pb/Pr / RGB), 10-bit /

4: 2: 2 (Y/Pb/Pr), 10-bit

### Input Connectors

3G/HD-SDI: BNC typx 10 \* Conforms to SMPTE 424M (SMPTE 425M-AB), 292M

HDMI: type A x 2 (HDMI INPUT 1--2) \* HDCP Not supported

HDMI: type A x 2 (HDMI INPUT 3--4) \* HDCP Supported., Multi-format Supported.

### Output Connectors

3G/HD-SDI: BNC type x 6 \* Conforms to SMPTE 424M (SMPTE 425M-AB), 292M

HDMI: type A x 2 (HDMI OUTPUT 1--2) \* HDCP Supported

HDMI: type A x 2 (HDMI OUTPUT MULTI-VIEW 1 \* HDCP Not required, 1080/59.94p)

(HDMI OUTPUT MULTI-VIEW 2 \* HDCP Required, 1080/59.94p)

### Formats

SDI: 1080/59.94p, 1080/50p

\* Conforms to SMPTE 274M

HDMI: 480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1024x768/60 (\*1), 1280x720/60 (\*1), 1280x800/60 (\*1), 1366x768/60 (\*1), 1280x1024/60 (\*1), 1400x1050/60 (\*1), 1600x1200/60, 1920x1080/60, 1920x1200/60

\* Conforms to CEA-861-E, VESA DMT Version 1.0 Revision 11

\* The output format of HDMI1,2 and SDI is always the same.

\* Frame rate is 59.94(NTSC) or 50(PAL)

\* MULTI-VIEW 1,2 output is 1080/60p always.

Output refresh rate is 75 Hz when frame rate is set to 50Hz.

### Effects

(4:2:2 Processing)

M/E: 1M/E, 1.5M/E, 2M/E (9 types)

Transition: Mix, NAM (\*2), FAM (\*2), Cut, Wipe

Composition (Keyer): 4 (PinP, Luminance Key, Chroma Key, External Key supported)

AUX: 2

Others: Output Fade, Output Freeze, Output Capture, Composition Edit, SDI Output Patchbay

\*These effects depends on M/E type.

(\*2) PGM/PST only

### Effects

(4:4:4 Processing)

M/E: 1M/E, Matrix, Scaler

Input: 4 (4:2:2 Processing outputs x 2, HDMI INPUT 3, HDMI INPUT 4)

Transition: Mix, Cut

Composition (Keyer): 1 (PinP, Luminance Key)

Others: HDCP Supported, Output Fade, Output Cropping, Signal Generator.

\*These effects depends on M/E type.

### Still Image

Still Image Inputs: 2, Internal Memory: 16, Maximum 1920x1080 pixels

Format: Windows Bitmap File (.bmp) 24 bit per pixel, uncompressed, Portable Network Graphic File (.png) \* Alpha channel Supported.

### Multiviewer

MULTI-VIEW 1 (4:2:2 Processing): 16/10 screens, Label, Tally \* HDCP Supported

MULTI-VIEW 2 (4:4:4 Processing): 4 screens, Label, Tally, OSD Setup Menu

\* HDCP Required

### AUDIO

Processing

Sampling Rate : 24 bits/48 kHz

## **Input Connectors**

3G/HD-SDI: BNC type x 4 (Ch7-10), HDMI: type A x 4, AUDIO IN (XLR/TRS) L (1/2),R (3/4)

\* Analog Audio or AES/EBU

## **Output Connectors**

3G/HD-SDI: BNC type x 4 (Ch1-4), HDMI: type A x 2, AUDIO OUT (XLR/TRS) L (1/2),R (3/4)

\* Analog Audio or AES/EBU

## **Input Level and Impedance**

AUDIO IN: +4dBu (Maximum: +22dBu, 15k ohms)

## **Output Level and Impedance**

AUDIO OUT: +4dBu (Maximum: +22dBu, 600 ohms)

## **Formats**

SDI: Linear PCM, 24bits, 48kHz, 16ch \* Conforms to SMPTE 299M

HDMI: Linear PCM, 24bits, 48kHz, 2ch

AES/EBU: Linear PCM, 24bits, 48kHz, 4ch

## **Effects**

Patchbay: 92 inputs x 92 outputs Delay: 16ch

Mixer: 16ch, channel Effects: 3-Band EQ, Delay Master Effects: Mastering, 3-Band EQ, Reverb

## **OTHERS**

### **Expansion Slot**

Slot: 2

\*The video a maximum of 2 inputs 2 outputs and the audio a maximum of 16 inputs 16 outputs can treat in 2 slots sum total.

### **Reference**

Input: BNC type x 1

\*Black Burst (Sync to frames), Bi-Level, Tri-Level

Output/Through: BNC type x 1

\*Black Burst (Sync to frames)

### **External Connectors**

RS-232: DB-9 type (Male) x 1 \*for Remote Control

RS-422: DB-9 type (Female) x 1 \*for VISCA Control

TALLY/GPIO: DB-25 type (Female) x 1 (Input: 8, Output/Tally: 16)

LAN: RJ45 100BASE-TX (Connect to V-1200HDR or Computer (V-1200HD RCS))

USB: A type \*USB Memory

### **Memory**

8 \* Last Memory Function

User Function Button

32 \* 16 buttons x 2 banks

Remote Camera Control

RS-422: D-Sub 9 pin type x 1 Protocol: VISCA

### **Remote Controller**

V-1200HDR Control Surface \* Option

V-1200HD RCS \* Windows7 or later / Mac OSX

### **Power Supply**

AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)

DC 24 V (XLR-4-32 type)

\* Redundant Power Supply

**Operation Temperature**

+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit

**Dimensions**

482 (W) x 357 (D) x 133 (H) mm

19 (W) x 14-1/16 (D) x 5-1/4 (H) inches

\* EIA-3U rack mount size

**Weight**

9.0 kg 19 lbs 14 oz

**Accessories**

Power Cord, Rubber Feet (4), Owner's Manual

**V-1200HDR****Display**

7 inch Graphic color LCD (touch screen) x 2

**Video input**

HDMI (type A) x 2 \* HDCP Supported

**Others**

USB: Type A x 1 \* USB Memory, USB: Type B x 1 \* Use for future expansion

LAN: RJ45 100Base-TX (Connect to V-1200HD)

PHONES jack: Stereo 1/4-inch phone type x 1 (80 mW + 80 mW, 32 ohms)

Internal mono speaker

**Power Supply**

AC Adaptor, DC 9 V to 16 V (XLR-4-32 type) \* Can not be used at the same time.

**Operation Temperature**

+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit

**Dimensions**

520 (W) x 237 (D) x 111 (H) mm

20-1/2 (W) x 9-3/8 (D) x 4-3/8 (H) inches

\* Protruding parts not included.

**Weight**

4.3 kg

9 lbs 8 oz

**Accessories**

AC Adaptor, Power Cord, Owner's Manual