

Roland V-4EX Specs

Processing

Video Processing

8-bit progressive processing at: 480/59.94p when set to NTSC, and 576/50p when set to PAL.

Audio Processing

24-bit at 48 KHz, 2 channel

Input Signal Formats

HDMI

Inputs 1 to 3

NTSC: 480/59.94p

PAL: 576/50p

Input 4

NTSC:

480 59.94i/59.94p

720 59.94p

1080 59.94i/59.94p

PAL:

576 50i/50p

720 50p

1080 50i/50p

Composite

Inputs 1 to 4

NTSC

PAL

S-Video

Input 4

NTSC

PAL

RGB

Input 4

640 x 480/60 Hz

800 x 600/60 Hz

1024 x 768/60 Hz

1280 x 768/60 Hz

1280 x 1024/60 Hz

1366 x 768/60 Hz

1400 x 1050/60 Hz

1600 x 1200/60 Hz

1920 x 1200/60 Hz

Output Format

HDMI and RGB/Component

NTSC:

480 59.94i/59.94p

720 59.94p

1080 59.94i/59.94p

PAL:

576 50i/50p

720 50p

1080 50i/50p

640 x 480

800 x 600

1024 x 768

1280 x 768

1280 x 1024

1366 x 768

1400 x 1050

1600 x 1200

1920 x 1200

Notes:

1: The output format of HDMI and RGB/Component is always the same.

2: When an interlaced format is selected, component signal is output from the RGB/COMPONENT connector.

3: When a non-interlaced format is selected, RGB signal is output from the RGB/COMPONENT

connector.

4: The refresh rates of RGB format is 60 Hz when set to NTSC.

5: 75 Hz when set to PAL

6: The refresh rate of 1600 x 1200 and 1920 x 1200 is 75 Hz when set to PAL.

HDMI Audio Output	2 Channel, linear PCM 24-bits/48 KHz
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Composite Video	NTSC PAL
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Preview (PVW) Output	Video NTSC: 480 59.94p PAL: 576 50p Audio 2 Channel, linear PCM 24-bits/48 KHz
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USB Video	Motion JPEG NTSC: 720 x 486 PAL: 720 x 576
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USB Audio	2 Channel, linear PCM 24-bits/48 KHz
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Connectors

Input	Video 4 x HDMI Type A 1 x HD DB-15 type (RGB/Component) 4 x BNC (Composite) 1 x 4-pin mini DIN (S-Video) Audio 1 x pair RCA
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Output

Program Output

1 x HDMI Type A
1 x HD DB-15 type (RGB/Component)
1 x BNC (Composite)

Preview Output

1 x HDMI Type A

Other

MIDI

2 x 5-pin DIN (In, Out/Thru)

USB

1 x B type (for streaming and remote control)

Signal Level / Impedance

RGB/Component

Signal Level: Luminance: 1.0 Vp-p, Chroma: 0.7 Vp-p
Impedance: 75Ω

Composite

Signal Level: 1.0 Vp-p
Impedance: 75Ω

S-Video

Signal Level: 1.0 Vp-p
Impedance: 75Ω

analog Audio

Nominal Input Level: -10 dBu
Maximum Input Level: +8 dBu
Impedance: 15 kΩ

General

Display

Graphic Color LCD, 320 x 240 dots, touch panel

Power Supply (AC)

AC adapter

Current Draw

2.0 A

Dimensions	4.1 x 8.6 x 11.7" (105 x 225 x 296 mm)
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Weight	5.7 lb (2.6 kg)
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Packaging Info

Package Weight	7.98 lb
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Box Dimensions (LxWxH)	16.95 x 11.2 x 7.25"
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