

Roland V-40HD Multi-Format Video Switcher B&H # ROV40HD • MFR # V-40HD



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- PRODUCT HIGHLIGHTS**
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Processing

Video: 4:4:4 Y/Pb/Pr, 10 bits (output signal processing is 4:2:2, 8 bits)  
Audio: 24 bits / 48 kHz, 2 channels

**HDMI video:**  
480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 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 1080/60 Hz, 1920 x 1200/60 Hz

The video signal frame rate must match with the unit's frame rate setting  
Conforms to VESA DMT version 1.0 revision 11  
1920 x 1200/60Hz: reduced blanking

Input Formats

**HDMI audio:**

Linear PCM, 24 bits / 48 kHz, 2 channels

**RGB/ Component:**

480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 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 1080/60 Hz, 1920 x 1200/60 Hz

The video signal frame rate must match with the unit's frame rate setting

Conforms to VESA DMT version 1.0 revision 11

1920 x 1200/60Hz: reduced blanking

**Composite:**

NTSC, PAL

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**HDMI video:**

480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 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

The output refresh rates of 640 x 480 - 1400 x 1050 are 75 Hz when the unit's frame rate setting is 50 Hz

Conforms to VESA DMT version 1.0 revision 11

1920 x 1200/60Hz: reduced blanking

**HDMI audio:**

Linear PCM, 24 bits / 48 kHz, 2 channels

**RGB/ Component:**

480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94p, 1080/50p, 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

The output refresh rates of 640 x 480 - 1400 x 1050 are 75 Hz when the unit's frame rate setting is 50 Hz

Conforms to VESA DMT version 1.0 revision 11

1920 x 1200/60Hz: reduced blanking

	<b>Composite:</b> NTSC, PAL
	<b>Preview (HDMI):</b> Video: 1920 x 1080/60 Hz (fixed) When input is selected, the sources are displayed with a reduced frame rate Audio: linear PCM, 24 bits/48 kHz, 2ch
Inputs	4x HDMI Type A 4x RGB/Component on HD DB-15 4x Composite on BNC 1x 1/4" TRS phone type balanced/unbalanced pair  1x Tally on HD DB-15 (max input: 12 V/200 mA, open collector type) 2x MIDI on 5-pin DIN (In / Out / Thru) 1x RS-232C on 9-pin D-sub 1x USB type A (host, for USB storage)
Outputs	2x HDMI Type A (output 1 / 2) 2x RGB/Component on HD DB-15 (output 1 / 2) 1x Composite on BNC 1x Preview on HDMI Type A
RGB / Component	Signal level: 0.7 Vp-p ( H,V:5VTTL) Impedance: 75 ohms
Composite	Signal level: 1.0 Vp-p (luminance) 0.286 Vp-p (chroma, NTSC) 0.3 Vp-p (chroma, PAL)  Impedance: 75 ohms
Audio Effects Delay	0.0 to 12.0 frames

OdBu	0.775 Vrms
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Power	DC 12 V, 2.6 A
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Dimensions	12.5 x 10.5 x 4.3" (31.7 x 26.7 x 11 cm)
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Weight	7.5 lb (3.4 kg)
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