

# Main Specifications

## 9 Video

<b>Video Processing</b>	4:2:2 (Y/Pb/Pr), 8-bit			
<b>Input Connectors</b>	INPUT 1–6	HDMI type A x 6 * HDCP supported		
	INPUT 7–8	HDMI type A x 2 * HDCP and Multi-format supported		
<b>Output Connectors</b>	OUTPUT 1–3	HDMI type A x 3 * HDCP supported		
<b>Input Formats</b>	INPUT 1–6	720/59.94p, 720/60p (*1) (*3)		
		720/50p (*1) (*4)		
		1080/59.94i, 1080/60i, 1080/59.94p, 1080/60p, 1080/29.97p, 1080/30p (*2) (*3)		
		1080/50i, 1080/50p, 1080/25p (*2) (*4)		
		1080/23.98p, 1080/24p (*2)		
	* The input interlaced video signal is converted to progressive video signal by internal processing. (*1) SYSTEM FORMAT = 720p (*2) SYSTEM FORMAT = 1080i or 1080p (*3) FRAME RATE = 59.94, 60 Hz, 29.97 Hz, 30 Hz (*4) FRAME RATE = 50 Hz or 25 Hz			
	INPUT 7, 8	480/59.94i, 480/59.94p, 720/59.94p, 720/60p, 1080/59.94i, 1080/60i, 1080/59.94p, 1080/60p, 1080/29.97p, 1080/30p (*1)		
		576/50i, 576/50p, 720/50p, 1080/50i, 1080/50p, 1080/25p (*2)		
		1080/23.98p, 1080/24p		
		VGA (640×480/60 Hz)	SVGA (800×600/60 Hz)	XGA (1024×768/60 Hz)
WXGA (1280×800/60 Hz)		SXGA (1280×1024/60 Hz)	FWXGA (1366×768/60 Hz)	
SXGA + (1400×1050/60 Hz)		UXGA (1600×1200/60 Hz)	WUXGA (1920×1200/60 Hz)	
* The refresh rate is the maximum value of each resolution. * Conforms to CEA-861-E, VESA DMT Version 1.0 Revision 11. * 1920 x 1200/60 Hz: Reduced blanking * The input interlaced video signal is converted to progressive video signal by internal processing. (*1) FRAME RATE = 59.94 Hz, 60 Hz, 29.97 Hz, 30 Hz (*2) FRAME RATE = 50 Hz or 25 Hz				
Still Image	Bitmap File (.bmp): Maximum 1920 x 1080 pixels, 24-bit color, uncompressed			
	PNG File (.png): Maximum 1920 x 1080 pixels, 24-bit color			
	JPEG File (.jpg, jpeg): Maximum 1920 x 1080 pixels, 24-bit color			
	* It can be stored up to 24 files in the internal memory. * It can be exported in the USB flash drive. * PNG alpha channel supported (Exclusive with alpha bus or AUX bus).			
<b>Output Formats</b>	OUTPUT 1, 2	720/59.94p (*1) (*4)	720/60p (*1) (*5)	720/50p (*1) (*8)
		1080/59.94i (*2) (*4)	1080/60i (*2) (*5)	1080/50i (*2) (*8)
		1080/59.94p (*3) (*4)	1080/60p (*3) (*5)	1080/29.97p (*3) (*6)
		1080/30p (*3) (*7)	1080/50p (*3) (*8)	1080/25p (*3) (*9)
		1080/23.98p (*3) (*10)	1080/24p (*3) (*11)	
	(*1) SYSTEM FORMAT = 720p		(*7) FRAME RATE = 30 Hz	
	(*2) SYSTEM FORMAT = 1080i		(*8) FRAME RATE = 50 Hz	
	(*3) SYSTEM FORMAT = 1080p		(*9) FRAME RATE = 25 Hz	
	(*4) FRAME RATE = 59.94 Hz		(*10) FRAME RATE = 23.98 Hz	
	(*5) FRAME RATE = 60 Hz		(*11) FRAME RATE = 24 Hz	
(*6) FRAME RATE = 29.97 Hz				
OUTPUT 3	1080/59.94p (*1)	1080/60p (*2)	1080/29.97p (*3)	
	1080/30p (*4)	1080/50p (*5)	1080/25p (*6)	
	1080/23.98p (*7)	1080/24p (*8)		
	(*1) FRAME RATE = 59.94 Hz		(*5) FRAME RATE = 50 Hz	
	(*2) FRAME RATE = 60 Hz		(*6) FRAME RATE = 25 Hz	
(*3) FRAME RATE = 29.97 Hz		(*7) FRAME RATE = 23.98 Hz		
(*4) FRAME RATE = 30 Hz		(*8) FRAME RATE = 24 Hz		
<b>Video Effects</b>	Transition	CUT, MIX (DISSOLVE/FAM/NAM), WIPE (8 types)		
	Composition	PinP x 2: SQUARE, CIRCLE, DIAMOND, SPLIT (2 types), Keyer x 2: Luminance Key, Chroma Key DSK: Luminance Key, Chroma Key, Alpha Key (*1), External Key (*1) (*1) Exclusive with alpha bus or AUX bus		
	Others	Flip horizontal, Flip vertical, Still Image Capture, Still Image Playback, Output fade (Audio, Video: WHITE or BLACK), Test pattern output		

9 Audio		
Audio Processing	Sample rate: 24 bits/48 kHz	
Audio Formats	Linear PCM, 24 bits/48 kHz, 2 ch	
Input Connectors	INPUT 1–8	HDMI Type A x 8
	AUDIO IN	RCA phono type
Output Connectors	OUTPUT 1–3	HDMI Type A x 3
	AUDIO OUT	RCA phono type
	PHONES	Stereo miniature type
Input Level	AUDIO IN: -10 dBu (Maximum: +8 dBu)	
Input Impedance	AUDIO IN: 38 k $\Omega$	
Output Level	AUDIO OUT	-10 dBu (Maximum: +8 dBu)
	PHONES	92 mW + 92 mW (32 $\Omega$ )
Output Impedance	AUDIO OUT	1 k $\Omega$
	PHONES	10 $\Omega$
Audio Effects	Delay, High pass filter, Compressor, Noise gate, Equalizer, Multi-band compressor, Limiter, Test tone output	
9 Others		
Other Connectors	USB MEMORY	USB A type (for USB flash drive)
	REMOTE	USB B Type (for remote control from iPad)
	CTL/EXP	1/4-inch TRS phone type
Other Functions	Preset Memory (24 types) Macro Control (100 types) Sequencer Control Panel lock function EDID Emulator Auto Switching Auto Input Detect Rec Control	
Display	4.3 inches TFT Color LCD: 480 x 272 dots	
Power Supply	AC Adaptor	
Current Draw	3.3 A	
Power Consumption	39.6 W	
Operation Temperature	+0 to +40 degrees Celsius	
	+32 to +104 degrees Fahrenheit	
Dimensions	317 (W) x 193 (D) x 70 (H) mm	
	12-1/2 (W) x 7-5/8 (D) x 2-13/16 (H) inches	
Weight (excluding AC adaptor)	2.0 kg	
	4 lbs 7 oz	
Accessories	Startup Guide, AC adaptor, Power cord	

\* 0 dBu = 0.775 Vrms

\* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

## Dimensions



