

# Main Specifications

## 9 Video

<b>Video Processing</b>	4:2:2 (Y/Pb/Pr), 8-bit	
<b>Input Connectors</b>	SDI IN 1–4	BNC type x 4 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M
	HDMI IN 5–6	HDMI type A x 2 * HDCP Supported * Multi-format Supported
	RGB/COMPONENT IN 6	HD DB-15 type x 1 * INPUT 6: HDMI or RGB/COMPONENT selected. * Multi-format Supported
<b>Output Connectors</b>	SDI OUT 1–2	BNC type x 2 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M
	HDMI OUT 1–2	HDMI type A x 2 * HDCP Supported
	HDMI MULTI-VIEW	HDMI type A x 1 * HDCP Supported
<b>Input Formats (*1)</b>	SDI IN 1–4 (*2)	9 SYSTEM FORMAT: 720p 720/59.94p (*3), 720/60p (*3), 720/50p (*4) 9 SYSTEM FORMAT: 1080i, 1080p 1080/59.94i (*3), 1080/60i (*3), 1080/59.94p (*3), 1080/60p (*3), 1080/29.97p (*3), 1080/30p (*3), 1080/50i (*4) 1080/50p (*4), 1080/25p (*4), 1080/23.98p, 1080/24p
	HDMI IN 5 HDMI/RGB/COMPONENT IN 6	480/59.94i (*3), 480/59.94p (*3), 720/59.94p (*3), 720/60p (*3), 1080/59.94i (*3), 1080/60i (*3), 1080/59.94p (*3) 1080/60p (*3), 1080/29.97p (*3), 1080/30p (*3), 576/50i (*4), 576/50p (*4), 720/50p (*4), 1080/50i (*4) 1080/50p (*4), 1080/25p (*4), 1080/23.98p, 1080/24p VGA (640 x 480/60 Hz), SVGA (800 x 600/60 Hz), XGA (1024 x 768/60 Hz), WXGA (1280 x 800/60 Hz) SXGA (1280 x 1024/60 Hz), FWXGA (1366 x 768/60 Hz), SXGA+ (1400 x 1050/60 Hz) UXGA (1600 x 1200/60 Hz), WUXGA (1920 x 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
	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 JPG File (.jpg) Maximum 1920 x 1080 pixels, 24-bit color * It can be stored up to 2 files in the internal memory. * It can be exported in the USB memory. * PNG alpha channel not supported.
<b>Output Formats (*5)</b>	SDI OUT 1–2 (*2) HDMI OUT 1–2	720/59.94p, 720/50p (SYSTEM FORMAT: 720p) 1080/59.94i, 1080/50i (SYSTEM FORMAT: 1080i) 1080/59.94p, 1080/50p (SYSTEM FORMAT: 1080p)
	HDMI MULTI-VIEW	1080/59.94p, 1080/50p
<b>Video Effects</b>	Transition	CUT, MIX (DISSOLVE/FAM/NAM), WIPE (30 types)
	Composition	PinP (SQUARE, CIRCLE, HEART, DIAMOND), SPLIT (4 types), DSK (Luminance Key, Chroma Key)
	Others	Flip horizontal, Output fade, Still Image Capture, Still Image Playback, Still Image Export, Test pattern output

\*1: The input interlaced video signal is converted to progressive video signal by internal processing.

\*2: Conforms to SMPTE 296M, SMPTE 274M

\*3: FRAME RATE = 59.94 Hz

\*4: FRAME RATE = 50 Hz

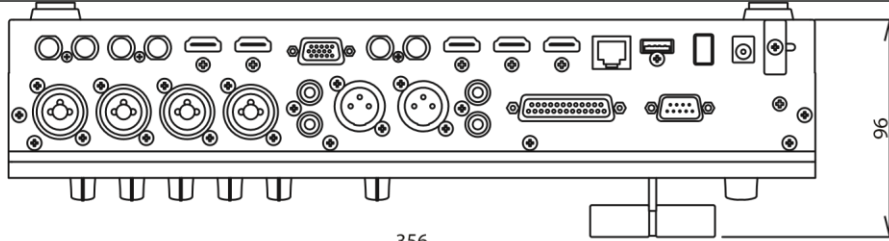
\*5: The video signal frame rate can be selected at the SYSTEM menu (59.94 Hz or 50 Hz).

9 Audio			
<b>Audio Processing</b>	Sampling rate		24 bits/48 kHz
	SDI IN		Linear PCM, 24 bits/48 kHz, 2ch (Conforms to SMPTE 299M)
<b>Audio Formats</b>	SDI OUT		Linear PCM, 24 bits/48 kHz, 8ch (Conforms to SMPTE 299M)
	HDMI IN/OUT		Linear PCM, 24 bits/48 kHz, 2ch
<b>Input Connectors</b>	Digital	SDI IN 1–4	BNC type x 4
		HDMI IN 5–6	HDMI type A 19 pins x 2
	Analog	AUDIO IN 1–4	Combo type (XLR, 1/4-inch TRS phone), phantom power (*6) *6: DC 48 V (unloaded maximum), 10 mA (maximum load) * Current value per channel
		AUDIO IN 5–6	RCA phono type
<b>Output Connectors</b>	Digital	SDI OUT 1–2	BNC type x 2
		HDMI OUT 1–2	HDMI type A x 2
		HDMI MULTI-VIEW	HDMI type A x 1
<b>Output Connectors</b>	Analog	AUDIO OUT	XLR type
		AUDIO OUT	RCA phono type
		PHONES	Stereo 1/4-inch phone type
<b>Input Level</b>	AUDIO IN 1–4		-60– +4 dBu (Maximum: +22 dBu)
	AUDIO IN 5–6		-10 dBu (Maximum: +8 dBu)
<b>Input Impedance</b>	AUDIO IN 1–4		10 k ohms (HEAD AMP GAIN 0–23 dB), 5 k ohms (HEAD AMP GAIN 24–64 dB)
	AUDIO IN 5–6		15 k ohms
<b>Output Level</b>	AUDIO OUT (XLR)		+4 dBu (Maximum: +22 dBu)
	AUDIO OUT (RCA)		-10 dBu (Maximum: +8 dBu)
	PHONES		92 mW + 92 mW (32 ohms)
<b>Output Impedance</b>	AUDIO OUT (XLR)		600 ohms
	AUDIO OUT (RCA)		1 k ohm
	PHONES		10 ohms
<b>Audio Effects</b>	Auto Mixing, EQ, Delay, Compressor, HPF, Gate, Multi-Band Compressor, Limiter		
9 Other Connectors			
<b>USB MEMORY</b>	USB A type (for USB drive)		
<b>Tally/GPI</b>	DB-25 type (Female, Tally: 12, GPI: 8)		
<b>RS-232</b>	DB-9 type (Male, for Remote Control)		
<b>CONTROL</b>	RJ45 100BASE-TX (for Remote Control)		
9 Other Functions			
Preset Memory (8 types), Panel Lock Function, EDID Emulator, Smart Tally, Auto Scan, Remote Camera Control			
9 Display			
Graphic LCD: 128 x 64 dots			
9 Other			
<b>Power Supply</b>	AC Adaptor	<b>Dimensions</b>	356 (W) x 221 (D) x 96 (H) mm 14-1/16 (W) x 8-3/4 (D) x 3-13/16 (H) inches
<b>Current Draw</b>	3.1 A		<b>Weight (excluding AC adaptor)</b>
<b>Power Consumption</b>	37.0 W	<b>Accessories</b>	
<b>Operation Temperature</b>	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit		

\* 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



Unit: mm

