

Main Specifications

Roland V-1200HD: Multi-format Video Switcher

Video				
Processing	4:4:4 (Y/Pb/Pr, RGB), 10 bits/4:2:2 (Y/Pb/Pr), 10 bits			
Input Connectors	3G/HD-SDI	BNC type x 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, 1080/60p (HDMI OUTPUT MULTI-VIEW 2) * HDCP Required, 1080/60p		
Formats	SDI	1080/59.94i, 1080/50i, 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, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 1024x768/60 (*1), 1280x720/60 (*1), 1280x800/60 (*1), 1366x768/60 (*1), 1280x1024/60 (*1), 1400x1050/60 (*1), 1600x1200/60, 1920x1080/60, 1920x1200/60 RB * Conforms to CEA-861-E, VESA DMT Version 1.0 Revision 11 * The output format of HDMI1-2 is always the same. * Frame rate is 59.94 Hz (NTSC) or 50 Hz (PAL). * MULTI-VIEW 1-2 output is 1080/60p always. (*1) Output refresh rate is 75 Hz when frame rate is set to 50 Hz.		
Effects (4:2:2 Processing) * These effects depends on M/E type.	M/E	1M/E, 1.5M/E, 2M/E (9 types)	AUX	2
	Transition	Mix, NAM (*2), FAM (*2), Cut, Wipe (*2) PGM/PST only	Others	Output Fade, Output Freeze, Output Capture, Composition Edit, SDI Output Patchbay
Effects (4:4:4 Processing) * These effects depends on M/E type.	Composition (Keyer)	4 (PinP, Luminance Key, Chroma Key, External Key supported)		
	M/E	1M/E, Matrix, Scaler	Composition (Keyer)	1 (PinP, Luminance Key)
	Input	4 (4:2:2 Processing outputs x 2, HDMI INPUT 3, HDMI INPUT 4)	Others	HDCP Supported, Output Fade, Output Cropping, Signal Generator.
	Transition	Mix, Cut		
Still Image	Inputs	2		
	Internal Memory	16		
	Maximum Size	1920 x 1080 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 Not supported			
	MULTI-VIEW 2 (4:4:4 Processing): 4/10 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 4, AUDIO OUT (XLR/TRS) L (1/2)/R (3/4) * Analog Audio or AES/EBU			
Input Level and Impedance	AUDIO IN	+4 dBu (Maximum: +22 dBu, 15 k ohms)		
Output Level and Impedance	AUDIO OUT	+4 dBu (Maximum: +22 dBu, 600 ohms)		
Formats	SDI	Linear PCM, 24 bits, 48 kHz, 16ch * Conforms to SMPTE 299M		
	HDMI	Linear PCM, 24 bits, 48 kHz, 2ch		
	AES/EBU	Linear PCM, 24 bits, 48 kHz, 4ch		
Effects	Patchbay	92 inputs x 92 outputs		
	Delay	16 ch		
	Mixer	16 ch (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 x 2 (USB Memory/Use for future expansion)		
Preset Memory	8 * Last Memory Function			
User Function	32 * 16 buttons x 2 banks			
Remote Camera Control	Connector	RS-422: DB-9 type (Female) x 1		Operation Temperature
	Protocol	VISCA		
Remote Controller	V-1200HDR Control Surface * Sold separately			Dimensions
	V-1200HD RCS * Windows7 SP1 or later, Mac OS X			
Power Supply	AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)			Weight
	DC 24 V (XLR-4-32 type) * Redundant Power Supply.			
Power Consumption	90 W/0.8 A (117V), 90 W/0.5 A (220V, 230V, 240V), 90 W/3.75 A (DC 24V)			Accessories
	* When expansion slot is void.			

* 0 dBu = 0.775 Vrms

* This product is a Class A digital device under FCC part 15.

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.