

V-1200HD Multi-format Video Switcher

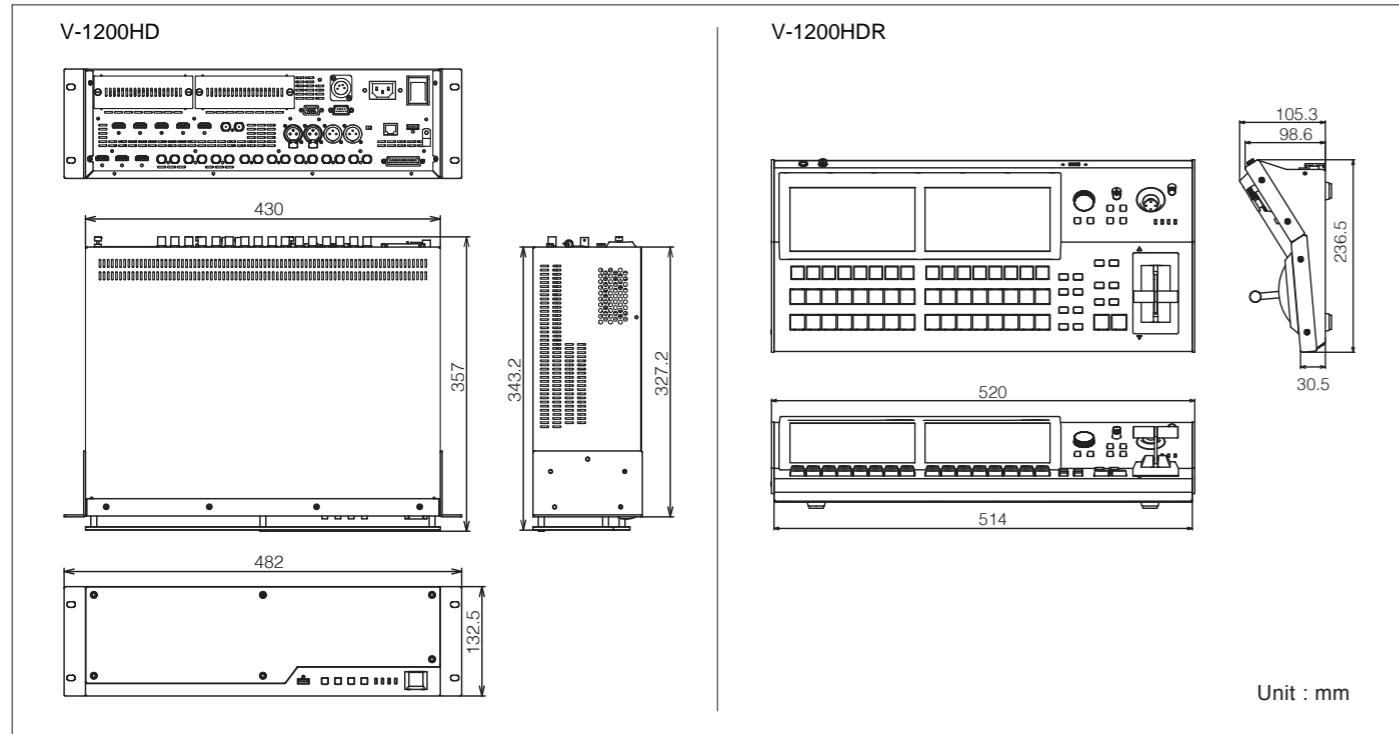
<b>Video</b>	4: 4: 4 (Y/Pb/Pr / RGB), 10-bit / 4: 2: 2 (Y/Pb/Pr), 10-bit	<b>Output Connectors</b>	3G/HD/SD-SDI: BNC type x 4 (Ch1-4), HDMI x 2, AUDIO OUT (XLR/TRS) L (1/2), R (3/4) * Analog Audio or AES/EBU
<b>Input Connectors</b>	3G/HD/SD-SDI: BNC type x 10 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M, 259M-C 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.	<b>Input Level and Impedance</b>	AUDIO IN: -68--+4dBu (Maximum: +22dBu, 4k ohms)
<b>Output Connectors</b>	3G/HD/SD-SDI: BNC type x 6 * Conforms to SMPTE 424M (SMPTE 425M-AB), 292M, 259M-C HDMI: type A x 2 (HDMI OUTPUT 1-2) * HDCP Supported HDMI: type A x 2 (HDMI OUTPUT MULTI-VIEW 1 * HDCP Not required, 1080/59.94p) (HDMI OUTPUT MULTI-VIEW 2 * HDCP Required, 1080/59.94p)	<b>Output Level and Impedance</b>	AUDIO OUT: +4dBu (Maximum: +22dBu, 600 ohms)
<b>Formats</b>	SDI: 480/59.94i, 576/50i, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p * Conforms to SMPTE 274M, SMPTE 296M, ITU-R BT.601-5 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, 1600x1200/60, 1920x1080/60, 1920x1200/60 * Conforms to CEA-861-E, VESA DMT Version 1.0 Revision 11 * The output format of HDMI1, 2 and SDI is always the same. * 1 Output refresh rate is 75 Hz when frame rate is set to 50 Hz. Frame rate: 59.94 (NTSC) or 50 (PAL) MULTI-VIEW 1-2: 1080/59.94p	<b>Effects</b>	SDI: Linear PCM, 24bits, 48kHz, 16ch * Conforms to SMPTE 299M, SMPTE272M-C HDMI: Linear PCM, 24bits, 48kHz, 2ch AES/EBU: Linear PCM, 24bits, 48kHz, 4ch
<b>Effects (4:2:2 Processing)</b>	M/E: 1 M/E, 1.5 M/E, 2 M/E (9 patterns) Transition: Mix, NAM*, FAM*, Cut, Wipe, Slide*, Squeeze* * PGM/PST only Composition (Keyer): 4 channels * The number of composition depends on M/E, PinP, Chroma Key, Luminance Key, External Key supported AUX: 2 * The number of AUX depends on M/E Others: Output Fade, Freeze, Capture, Composition Edit, SDI Output Patchbay	<b>Others</b>	Patchbay: 92 inputs x 92 outputs Delay: 16ch Mixer: 16ch, channel Effects: 3-Band EQ, Delay Master Effects: Mastering, 3-Band EQ, Reverb
<b>Effects (4:4:4 Processing)</b>	M/E: 1 M/E, Matrix, Scaler Input: 4 (4:2:2 Processing outputs x 2, HDMI INPUT 3, HDMI INPUT 4) Transition: Mix, Cut* Keyer: Luminance Key (1 M/E)* Others: HDCP Supported, Output Fade, Output Cropping, Signal Generator* * The function depends on M/E	<b>Expansion Slot</b>	Slot: 2, Internal video bus: Input 2, Output 2 / Internal audio bus: Input 16ch, Output 16ch * 2 slots total
<b>Still Image</b>	Still Image Inputs: 2, Internal Memory: 16, Maximum 1920x1080 pixels Format: Windows Bitmap File (.bmp) 24 bit per pixel, uncompressed, Portable Network Graphic File (.png) * Alpha channel Supported.	<b>Phase adjustment</b>	±1080 Lines
<b>Multiviewer</b>	MULTI-VIEW 1 (4:2:2 Processing): 16/10 screens, Audio Level, Label, Tally * HDCP Not required MULTI-VIEW 2 (4:4:4 Processing): 4 screens, Audio Level, Label, Tally, OSD Setup Menu * HDCP Required	<b>Reference</b>	Input: BNC type x 1 Output/Through: BNC type x 1 * Black Burst (Sync to frames), Bi-Level, Tri-Level * Through when using an Input.
<b>Proc. Amp.</b>	Equipped with all inputs	<b>External Connectors</b>	RS-232: D-Sub 9 pin type x 1 * for Remote Control * 9600/38400bps, Data 8bit, Stop 1bit, Parity None, Flow XON/XOFF, ASCII Code Set RS-422: D-Sub 9 pin type x 1 * for VISCA Control TALLY/CPIO: D-sub 25 pin type x 1 (Input: 8, Output: 16) LAN: RJ45 100Base-TX (Connect to V-1200HDR or Computer (V-1200HDRCS)), Maximum: V-1200HD x 4, V-1200HDR or V-1200HDRCS x 4 USB: A type x 2 USB Memory / Use for future expansion
<b>Audio</b>		<b>Memory</b>	8 * Last Memory Function
<b>Processing</b>	Sampling Rate : 24 bits/48 kHz	<b>User Function Button</b>	32 * 16 buttons x 2 banks
<b>Input Connectors</b>	3G/HD/SD-SDI: BNC type x 4 (Ch1-10), HDMI x 4, AUDIO IN (XLR/TRS) L (1/2), R (3/4) * Analog Audio or AES/EBU	<b>Remote Camera Control</b>	RS-422: D-Sub 9 pin type x 1 Protocol: VISCA * 9600/38400bps, Data 8bit, Stop 1bit, Parity None, Maximum: 4 Units
		<b>Remote Controller</b>	V-1200HDR Control Surface * Option V-1200HD RCS * Windows7 or later / Mac OSX
		<b>Power Supply</b>	AC 100V, DC 24V/10A (XLR-4-32 type) * Redundant Power Supply * 240W
		<b>Operation Temperature</b>	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
		<b>Dimensions</b>	Width: 430 mm / Depth: 357 mm / Height: 132.5 mm * EIA-3U rack mount size
		<b>Weight</b>	9.0 kg
		<b>Accessories</b>	Power Cord, Rack Mount Angle (2), Input Template, Owner's Manual

This product is a Class A digital device under FCC part 15.  
\*VISCA\* is a trademark of Sony Corporation.

V-1200HDR Control Surface

<b>Display</b>	7 Inch Graphic color LCD (touch screen) x 2	<b>Power Supply</b>	AC Adaptor DC 12V / Secondary AC Adaptor DC 9 V to 16 V (XLR-4-32 type) , DC 12V / 2.5A
<b>Video input</b>	HDMI (type A) x 2 * HDCP Supported	<b>Operation Temperature</b>	+0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
<b>Video output</b>	HDMI (type A) x 1 * Use for future expansion	<b>Dimensions</b>	Width: 514 mm / Depth: 236.5 mm / Height: 105.3 mm
<b>Others</b>	USB: Type A x 1 * USB Memory, USB: Type B x 1 * Use for future expansion LAN: RJ45 100Base-TX (Connect to V-1200HD) PHONES jack (Stereo 1/4-inch phone type) (headphones) 80mW + 80mW, 35 ohms Internal stereo speakers	<b>Weight</b>	4.3 kg
		<b>Accessories</b>	AC Adaptor, Power Cord, Owner's Manual

Dimensions



Preliminary



# MULTI-FORMAT VIDEO SWITCHER V-1200HD

Hybrid Engine 2 M/E Switcher and Processor  
for Broadcast and Live Event



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