

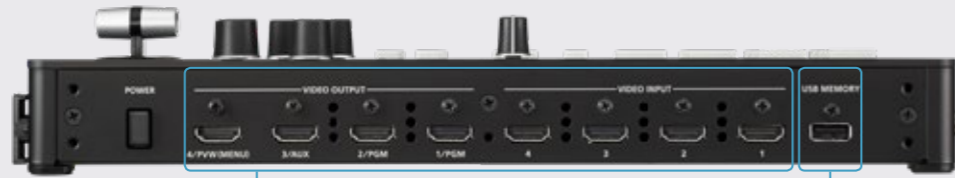


CROSS-POINT BUTTONS

These buttons select the input channel for each output. The vertical columns correspond to the input, and the horizontal rows correspond to the output. Buttons turn white when a video signal is present.

QUICK EDIT BUTTONS

This function lets you adjust the video or audio from the operation panel without need to access the menu. You can control settings such as the position and scaling of the image, the location of the PinP inset windows, and the audio volume.



HDMI INPUT/OUTPUT

HDMI connectors allow video and audio (stereo) to be input and output. A scaler and EDID emulator are built-in for each input, and HDCP is also supported, allowing for even rights-protected content to be switched.



USB MEMORY

Settings can be backed up on a USB flash drive. Still images can also be loaded, and instantly displayed when needed.

A Versatile and Compact Switcher with Multi-screen Output and Video Compositing

- A table-top matrix switcher that's the width of a 13" laptop, equipped with four HDMI inputs and outputs
- High-quality 4:4:4/10-bit processing at up to WUXGA/1080p
- Frame synchronizer and scaler on all inputs
- Three operation modes Matrix Mode allow switching of 4 sources to any of 4 outputs
- Switcher Mode allows PinP, key-compositing, and dissolve transitions
- Split Mode allows PinP of up to three inset windows
- Built-in eight-channel digital audio mixer handles audio from four HDMI signals and stereo analog input
- Built-in EDID emulator, and HDCP-compliant
- Still images can be loaded from a USB flash drive



MATRIX MODE

Four input video signals can be individually switched to one of four outputs. Since a scaler is provided for each of the four inputs, you can connect a mix of video devices such as cameras, PCs, media players, Blu-ray discs, or smartphones. You can switch between videos by fading-in/out and can adjust desired transition time using the TIME knob.

SWITCHER MODE

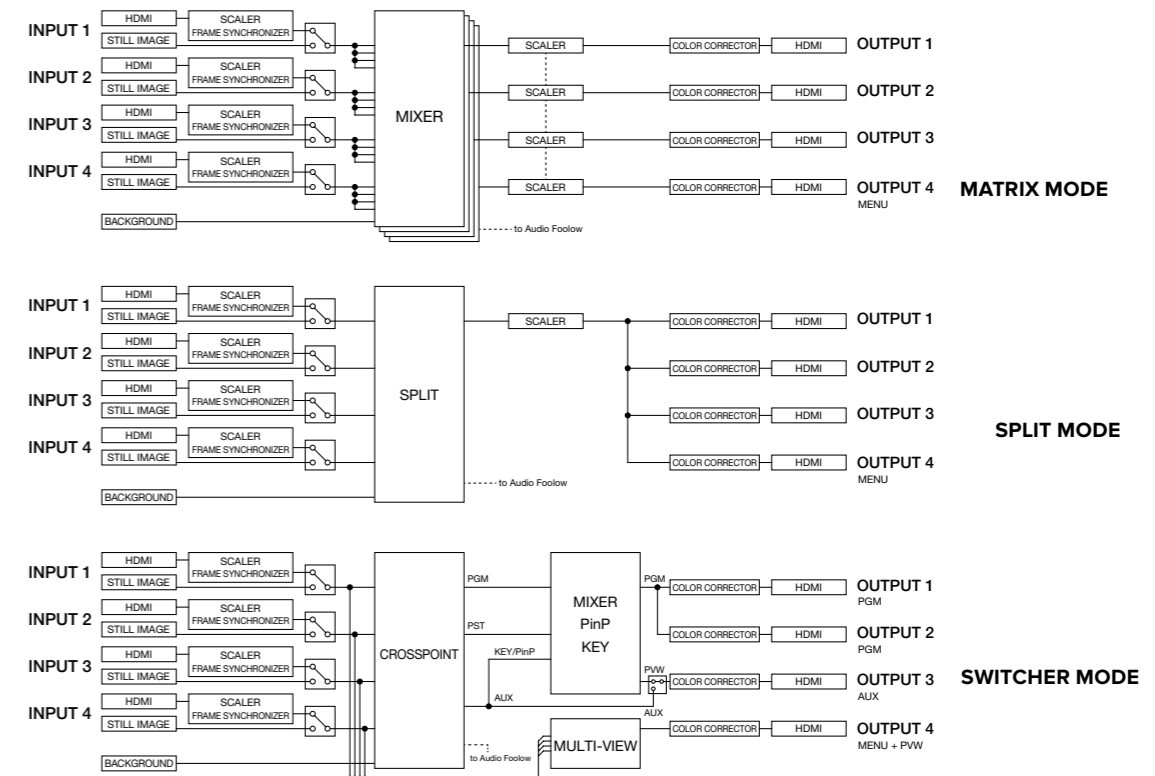
This mode lets you use a cross-dissolve to seamlessly transition between sources, or use PinP or key-compositing. A multi-view input preview can be output from HDMI OUT 4 for confirming input sources while operating the unit.*¹ If you're not using PinP or key-compositing, you can use an AUX bus to output a separate video signal to a confidence monitor or other destination.*¹ Skip-frame display

SPLIT MODE

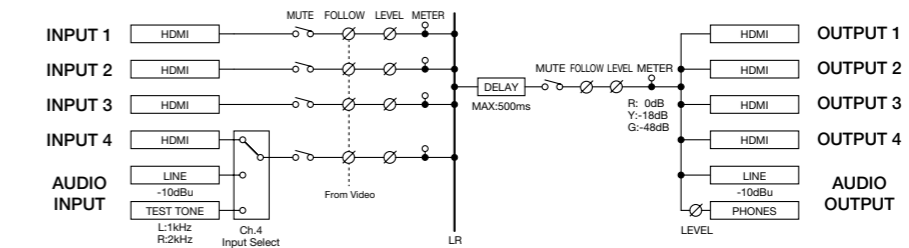
This mode composites multiple videos into a single screen for output. Up to three small screens can be composited into a background video. The position, size and layering order of the inset screens can be individually set. This is useful when it is required show multiple videos simultaneously, such as when recording e-learning content or presentations.

BLOCK DIAGRAM

VIDEO



AUDIO



SPECIFICATIONS XS-1HD

VIDEO	
Processing	4:4:4 (Y/Pb/Pr, RGB), 10 bits / 4:2:2 (Y/Pb/Pr), 10 bits
Input Connectors	HDMI: HDMI type A x 4 (HDMI INPUT 1-4) *HDCP Supported
Output Connectors	HDMI: HDMI type A x 4 (HDMI OUTPUT 1-4) *HDCP Supported
Formats	480/59.94i (*1), 576/50i (*1), 480/59.94p (*1), 576/50p (*1), 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 800*600/60 (*1), (*2), 1024*768/60 (*2), 1280*720/60 (*2), 1280*800/60 (*2), 1366*768/60 (*2), 1280*1024/60 (*2), 1400*1050/60 (*2), 1600*1200/60, 1920*1080/60, 1920*1200/60 RB *Conforms to CEA-861-E/VESA DMT Version 1.0 Revision 11 *Frame rate is 59.94 Hz (NTSC) or 50 Hz (PAL).
Output Mode	Switcher, Split, Matrix
Transition	Mix, Cut (*3)
Composition (Keyer)	1 (*3)
Others	HDCP Supported, Test Pattern Generator
Internal Memory	1
Maximum Size	1920*1200
Format	Windows Bitmap File (.bmp) 24 bit per pixel, uncompressed

(*1) Input only.
(*2) Output refresh rate is 75 Hz when frame rate is set to 50 Hz.
(*3) These effects depends on Output Mode.

AUDIO		
Processing	Sampling Rate	24 bits/48kHz
Input Connectors	HDMI	HDMI type A x 4
	AUDIO IN	RCA pin type
Output Connectors	HDMI	HDMI type A x 4
	AUDIO OUT	RCA pin type
	PHONES	Stereo mini type
Input Level	AUDIO IN	-10dBu (Maximum: +8dBu)
Input Impedance	AUDIO IN	15kΩ
Output Level	AUDIO OUT	-10dBu (Maximum: +8dBu)
	PHONES	72mW + 72mW (32Ω)
Output Impedance	AUDIO OUT	1kΩ
	PHONES	10Ω
Formats		HDMI: Linear PCM, 24 bits, 48 kHz, 2 ch
Others	Mixer	4 ch (Delay : Maximum 500 ms, Audio Follow)
	Test Tone Generator	

OTHERS		
External Connectors	REMOTE	RS-232 DB-9 type (Male) x 1 *for Remote Control
	USB MEMORY	USB A type x 1 (USB Memory)
Preset Memory		16 *Auto Memory Function
Power Supply		AC Adaptor
Current Draw		21A
Power Consumption		25W
Dimensions		328 (W) x 117 (D) x 57 (H) mm
Weight		1.2kg
Accessories		Owner's Manual, AC adaptor, Power cord