

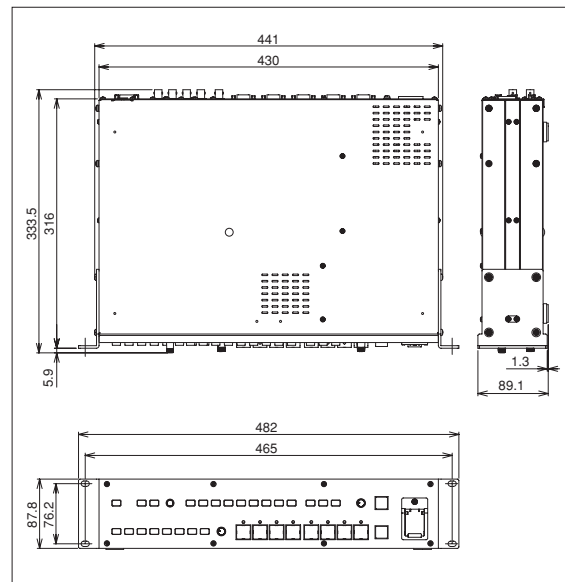
Specifications

Video Processing		Connectors		
Video Format	SD	NTSC or PAL [CVBS, S(Y/C)]	SD Input	
	HD	1080/59.94i/50i SMPTE274M (Y/Pb/Pr TriLevel Sync) 720/59.94p/50p SMPTE296M (Y/Pb/Pr TriLevel Sync)		S-Video (Y/C) Preferential x 4: 4 pin mini DIN type (Y: 1.0 Vp-p, C:0.286 Vp-p, 75 ohms) Video (composite) x 4:BNC type (1.0 Vp-p, 75 ohms)
	RGB	640x480/60/75, 800x600/60/75, 1024x768/60/75, 1280x768/60/75, 1280x1024/60, 1366x768/60/75 (*1) (RGB VH:positive/negative logic) * VESA DMT Version 1.0 Revision 10 conform		HD/RGB Input
Video Sampling	SD	4:2:2 (Y/Pb/Pr) 8-bit 13.5 MHz (BT.601)	Menu Output	
	HD	4:4:4 (Y/Pb/Pr) 8-bit 74.1758 MHz / 74.25 MHz	Video (composite) x 1: BNC type (1.0 Vp-p, 75 ohms)	
	RGB	4:4:4 (R/G/B) 8-bit 25 MHz to 110 MHz	PGM Output	
Video Transition	Cut, Dissolve, Wipe: 6Patterns, Reverse, SoftEdge		HD/RGB : D-sub 15 pin Shrink Type x 2 (0.7 Vp-p, 75 ohms, 5 VTTL Sync)	
	Picture in Picture, Chroma Key (Blue/Green), Luminance Key(White/Black)		Preview Output	
Video Composition			HD/RGB : D-sub 15 pin Shrink Type x 1 (0.7 Vp-p, 75 ohms, 5 VTTL Sync)	
			Remote Control Interfaces	
		MIDI 5 pin DIN Type (In, Out/Thru), RS-232C D-sub 9pin		

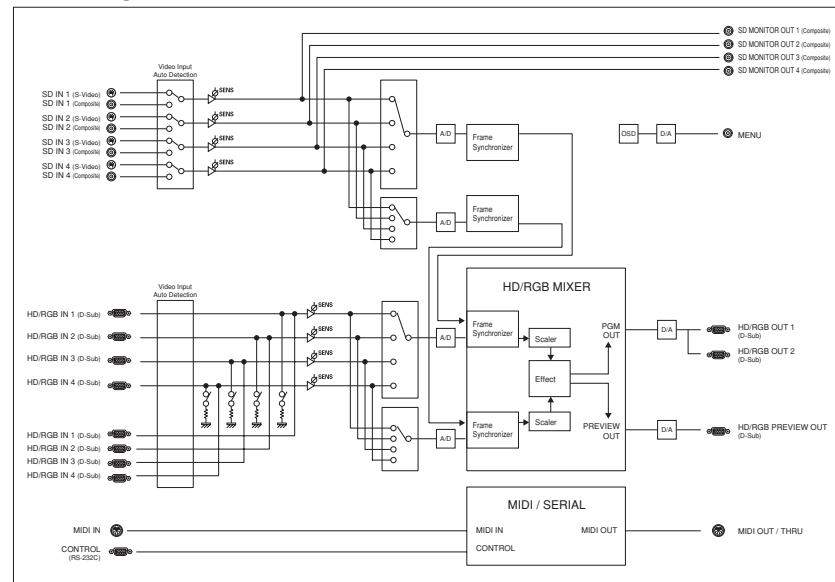
Functions		Others	
Multi-screen Presentation	Screen Setup (width by height): 2 x 1, 3 x 1, 2 x 2, 3 x 2 (*2)		
Master Fade	Auto (0 to 4 seconds) Black or White		
Power Supply		AC 117 V, AC 230 V, AC 240 V (50/60 Hz)	
Power Consumption		50 W	
Dimensions and Weight		482 (W) x 308 (D) x 88 (H) mm *EIA-2U Rack Mount Size 6kg	
Signal Latency		SD Input - HD/RGB Output : 2 frames	
		HD/RGB Input - HD/RGB Output : 1 frame	

(*1) 1366 x 768 is for output only.
(*2) For multi-screen setups, V-44SW works as slave unit only. V-440HD is required as a master unit.

Dimension Chart (mm)



Block Diagram



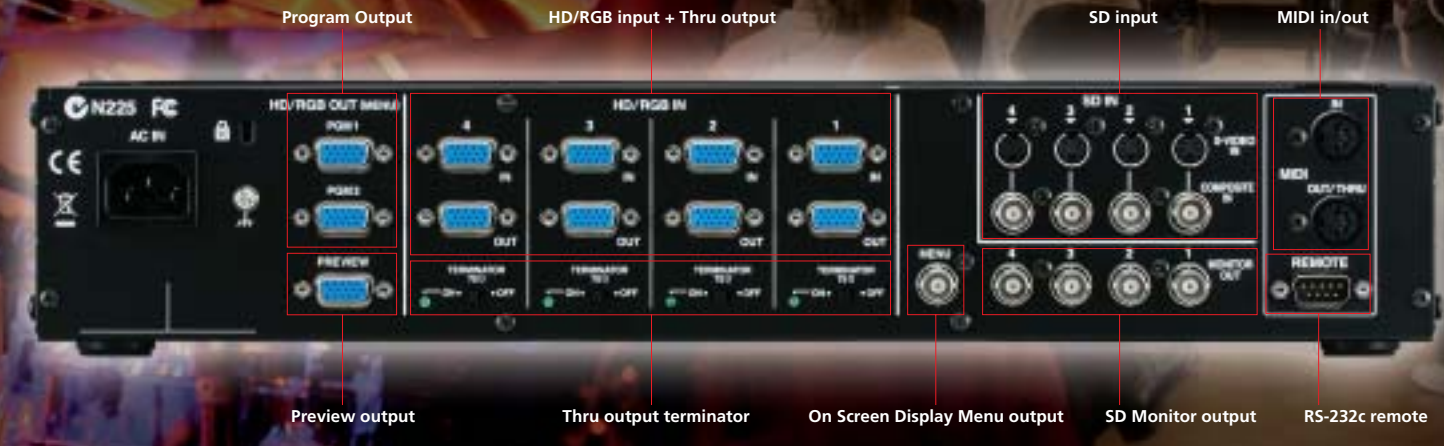
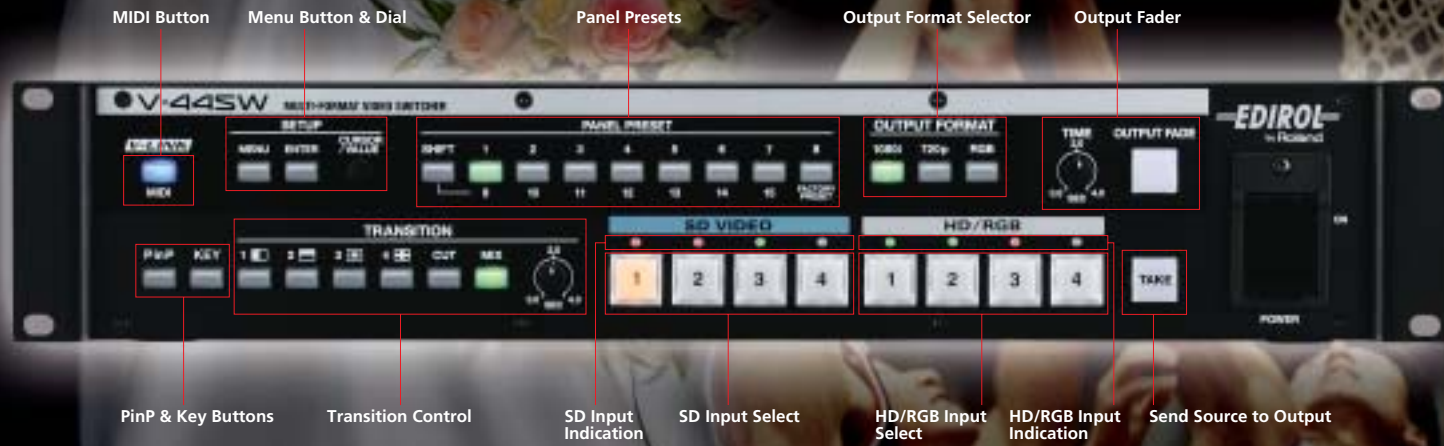
Rack mount multi-format video switcher for applications requiring seamless switching of standard definition, RGB (PC/Mac) and hi-definition sources



Seamless mixing of multiple video formats with operational ease

With the capability to input 4 SD video sources and 4 HD or RGB sources, the V-44SW enables seamless switching of multi-format video signals. With the ease of operation and compact rack size, the V-44SW is a great fit for any installation and any video application.

- Applications**
- Banquets
 - Sports Venues
 - Ceremonies
 - Churches
 - Amusement parks
 - Museums
 - Corporate presentations
 - Boardrooms
 - Trade Shows
 - Concerts & Musical Events
 - Rental & Staging



Mix Multiple Input formats

Like the V-440HD Multi-Format Video Mixer, the V-44SW supports multi-format signals like HD video (1080i/720p component), SD video (S-Video/Composite) and RGB from PC/Mac (from VGA to SXGA).

Choose from Various Output Formats

Output format is selectable from various types: 1080i or 720p for HDTV and RGB for computer displays, plasmas and projectors. SD inputs are up-converted for HD or RGB output.

Proven Reliability

The highly reliable internal circuitry of the V-44SW enables it to be the trusted cornerstone of any video presentation system.

Examples of PinP/Keyer

Using a computer as a source for high resolution images and graphics and sending them through the V-44SW's Key and Picture in Picture effects is an effective, low-cost alternative to higher priced dedicated graphics and character generators. The PinP and Key Effects can be used simultaneously.



Remote Controllable

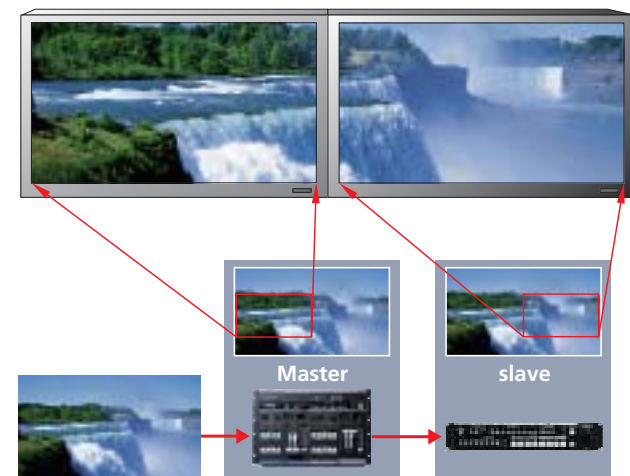
V-44SW can be remote controlled from various external devices via MIDI or RS-232C serial interface. This enables the use of customized user interfaces to match specific applications resulting in even more intuitive control.

Extremely Easy Operation

Most of the operations can be completed simply by pressing input select buttons. This enables people with little knowledge or skills to fully control the unit.

Multi-Screen setup in compact space

V-44SW can function as a slave unit of any V-440HD. This enables multi-screen/video wall setups in compact spaces at an affordable price.

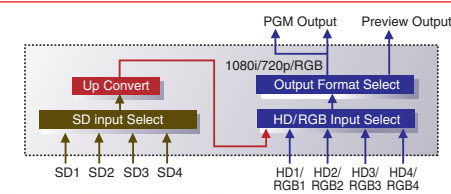


Preview sources before outputting

A key feature of the V-44SW is its "flip-flop" type preview function. You can check the source image on a preview monitor prior to sending the signal to the Program output. Simply press the TAKE button on the front panel and the selected source signal being previewed is sent to Program output.



Signal Flow for seamless switching



Instant recall of switcher settings

Like the V-440HD Multi Format Mixer, the V-44SW is equipped with a Panel Preset function. You can instantly recall the desired configuration of input channel selection, PinP settings and Key setup, etc. directly from the front panel buttons. Enables instant and speedy setup.



Installation Examples with multiple sources and outputs

