MSW Mini Switcher Series

COMPOSITE VIDEO, S-VIDEO, AND SDI SWITCHERS







The Extron MSW - Mini Switcher Series is a family of compact four input, two parallel output switchers for composite video, S-video, and SDI video sources. The MSW Series is designed for easy integration in a variety of applications, including classrooms, conference rooms, video production facilities, or anywhere compact video signal switching is required.

- Three models available
 - Composite
 - S-video
 - SDI Serial Digital Interface
- Two buffered outputs
- Choice of control for ease of integration
 - RS-232 Serial
 - Front panel
 - Contact Closure
 - Auto Switching
- S-video and composite video output on S-video model; built in encoder for S-video model
- Rack-mountable 1U, quarter rack width metal enclosure
- External international power supply included



DESCRIPTION

The Extron MSW Series comprises four input, active mini switchers for switching composite video, S-video, and SDI video signals. All three models include two parallel outputs which simplify video system designs by eliminating the need for a separate video distribution amplifier. The MSW 4SV rs model, for S-video sources, features a built-in video encoder for simultaneous output of S-video and composite video. The MSW 4V SDI features two reclocked SDI - Serial Digital Outputs that comply with the SMPTE 259M digital video standard.

All MSW models are equipped with front panel, contact closure, and RS-232 serial control. In addition, the switchers can be set for input autoswitching for use in unattended system applications. They are housed in a durable, 1U one-quarter rack width metal enclosure and include an external, international power supply.

FEATURES

- Inputs Four composite video MSW 4V rs, S-video MSW 4SV rs, or serial digital component video MSW 4V SDI rs.
- Dual Parallel Outputs All MSW rs models feature two parallel outputs. The MSW 4SV rs has one S-video and one composite video output. The MSW 4V SDI rs has two reclocked SMPTE-259 serial digital video outputs.
- Autoswitching Allows any input to be selected automatically when the switcher detects an active source; ideal for automatic routing and unattended operation.
- RS-232 Control Using RS-232 serial commands, systems can be controlled and configured via the Extron Windows®-based control program, or integrated into third-party control systems.
- Contact closure remote control
- External international power supply Provides worldwide power compatibility (part # 70-055-01).
- Rack-mountable Each model is housed in a 1U high, quarter rack width metal enclosure.

SPECIFICATIONS

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VIDEO — MSW 4V RS, MSW 4SV RS		
Gain	Unity	
Bandwidth	•	
MSW 4V		
MSW 4SV Crosstalk		
Switching speed		
og speed	20 (110/1)	
VIDEO — MSW 4V SC	DI RS	
Resolution		
Operation standards		
	177 Mb/s (4fsc PAL)	
	270 Mb/s (4:2:2) component video 360 Mb/s (4:2:2) widescreen, autoselect	
Equalization and reclocking		
Automatic data rate clock		
VIDEO INPUT		
Number/signal type MSW 4V rs	4 composite video	
MSW 4SV rs		
MSW 4V SDI rs		
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SPECIFICATIONS

VIDEO OLITPLIT

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ı	VIDEO OUTFUT
	Number/signal type MSW 4V rs
	MSW 4SV rs 1 S-video, 1 composite video
	MSW 4V SDI rs
	video
	Connectors
	MSW 4V rs, MSW 4V SDI rs 2 BNC female
	MSW 4SV rs 1 BNC female, (1) 4-pin mini DIN female
Minimum/maximum levels (MSW 4V rs, MSW 4SV rs)	
	0.4 V to 2.0 Vp-p
	Impedance
	Return loss
	MSW 4V/4SV rs< <-30 dB @ 5 MHz
	MSW 4V SDI rs<-25 dB @ 5 MHz
	DC offset ±5 mV maximum with input at 0 offset
	Switching type (MSW 4V rs/4SV rs) Vertical interval
	Jitter (MSW 4V SDI rs)<2 μs
	Rise/fall time (20-80%, MSW 4V SDI rs) 700 ps ±100 ps
	Re-clocking (MSW 4V SDI rs) Automatic, bypass mode for nonstandard rates
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ı	Standards
ı	MSW 4V rs, MSW 4SV rs NTSC 3.58, NTSC 4.43, PAL, SECAM
ı	MSW 4V SDI rs SMPTE-259M
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CONTROL/REIVIOTE — 3VV	HCHER
	. 1 RS-232, 3.5 mm captive screw connector, 5 pole
Baud rate and protocol	. 9600 baud, 8 data bits, 1 stop bit, no parity
	. (1) 3.5 mm captive screw connector, 5 pole
Program control	. Extron's control/configuration program for
	Windows® Extron's Simple Instruction Set (SIS™)

Specifications are subject to change without notice.



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