

YCS SW2

TWO INPUT, DUAL OUTPUT
TRANSCODING SWITCHER

- Digital quad standard decoder/encoder
- Autoswitching capabilities
- Time base stabilization
- Contact closure remote control
- Compact, rugged metal enclosure
- External international power supply



The Extron YCS SW2 is a two input, dual output switcher with transcoding capabilities. It is able to decode composite video into Y/C (S-video), as well as encode S-video signals and output a composite video signal. Equipped with such features as time base stabilization, autoswitching, and contact closure remote control, the YCS SW2 is ideal for conference rooms, classrooms, video production facilities, and other applications requiring small scale composite video and S-video switching.



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DESCRIPTION

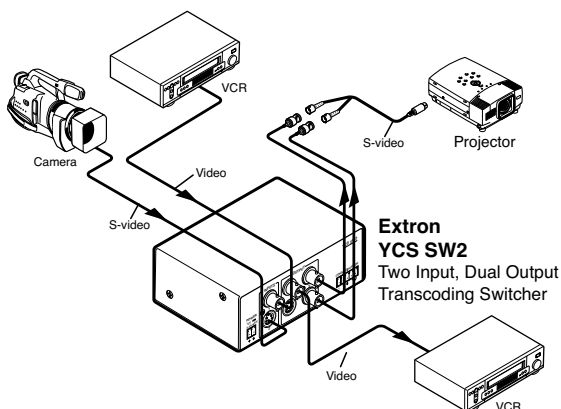
The Extron YCS SW2 is a two input, dual output switcher with transcoding capabilities. Using a high quality, three-line digital comb filter, the YCS SW2 accepts NTSC 3.58, NTSC 4.43, PAL, or SECAM composite video and decodes the signal into Y/C (S-video). As an encoder, it is able to combine Y (luma) and C (chroma) signals and output a composite video image. Enhanced video processing stabilizes and improves display output from input sources such as consumer VCRs, worn or multi-generation VHS tapes, and other devices with unstable sync signals.

Ideal for conference rooms, classrooms, and video production facilities, the YCS SW2 is equipped with autoswitching capabilities, which eases use by automatically selecting active inputs. In addition, simultaneous composite video and S-video outputs allow for recording and display at the same time. The YCS SW2 is housed in a compact enclosure and includes tactile, front panel switch buttons for manual input switching, as well as contact closure remote control.

FEATURES

- Digitally decodes (separates) composite video input into S-video
- Digitally encodes (combines) S-video input into composite video
- Quad standard, digital decoder
- Time base stabilization
- Simultaneous composite video and S-video outputs
- Two individually buffered S-video outputs
- Autoswitching capabilities
- Contact closure remote control
- Flexible mounting options
- External international power supply included (Part #70-055-03)

APPLICATION DIAGRAM



SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	10 MHz (-3 dB)
Switching speed	5 ms (max.)
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM; autodetected

VIDEO INPUT

Number/signal type	1 S-video, 1 composite video
Connectors	1 female BNC and 1 female 4-pin mini DIN
Nominal level	1 Vp-p for Y of S-video and for composite video
	0.3 Vp-p for C of S-video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p for video and Y with no offset at unity gain
Impedance	75 ohms
Return loss	-40 dB @ 3.58 MHz
DC offset (max. allowable)	5.0 V
Input coupling	AC coupled

VIDEO OUTPUT

Number/signal type	2 S-video, 1 composite video
Connectors	1 female 4-pin mini DIN and 1 female BNC
Nominal level	1 Vp-p for Y of S-video and for composite video
	0.3 Vp-p for C of S-video
Minimum/maximum levels	0.3 V to 1.5 Vp-p for video and Y
Impedance	75 ohms
Return loss	-40 dB @ 3.58 MHz

CONTROL/REMOTE

Contact closure	1 female captive screw connector, 5 pole
Contact closure pin configurations	1 = input 1, 2 = input 2, 3 = GND, 4&5 = autoswitch selection

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.3 A
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; 1U, 6" deep rack shelf, part #60-190-10 or 60-604-10; or VersaTools® rack shelf, part #60-190-20 or 60-604-20. Above-projector mountable with optional Multi-Product Projector Mounting Kit #70-217-01. Also furniture mountable with optional Mini Under-Desk Mounting Kit, #70-212-01.
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.4 lbs (0.2 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

Model	Part Number
YCS SW2	60-757-01

Optional Accessories

Model	Description	Part Number
RSF 123	VersaTools Rack Shelf Kit	60-190-20
RSU 126	1U 6" Deep Universal Rack Shelf Kit	60-190-10
RSB 126	1U 6" Deep Basic Rack Shelf	60-604-10
RSU 129	1U 9.5" Deep Universal Rack Shelf Kit	60-190-01
MBU 123	VersaTools Mini Under-Desk Mount Kit	70-212-01
PMK 100	One VersaTools, 1/4 Rack Width Mini Projector Mounting Kit ..	70-217-01

Specifications are subject to change without notice.



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