

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

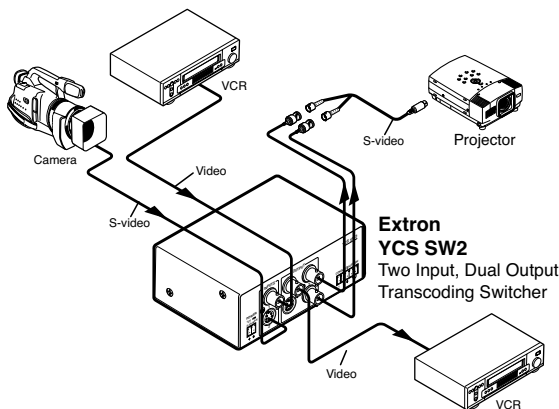
The Extron YCS SW2 is a two input, dual output switcher with transcoding capabilities. Using a high quality, three-line digital comb filter, the YCS SW2 accepts NTSC 3.58, NTSC 4.43, PAL, or SECAM composite video and decodes the signal into Y/C (S-video). As an encoder, it is able to combine Y (luma) 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	Analogue: 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 ±10%.		
Model	Part Number	
YCS SW2	60-757-01	
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.



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C
3821 AH Amersfoort, The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg., Singapore 368363
+800.7339.8766 +65.6383.4400
FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656