

Specifications — YCS SW2 A

Video

Gain.....	Unity
Bandwidth.....	5 MHz (-3 dB)
Crosstalk.....	-60 dB @ 3.58 MHz
Switching speed	5 ms (max.)
Standards.....	NTSC 3.58, NTSC 4.43, PAL, PAL N, SECAM; autodetected

Video input

Number/signal type.....	1 S-video 1 composite video
Connectors	1 female 4-pin mini DIN and 1 female BNC
Nominal level	1 V _{p-p} for Y of S-video and for composite video 0.3 V _{p-p} for C of S-video
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 V _{p-p} for video and Y with no offset at unity gain
Impedance.....	75 ohms
Return loss.....	-34 dB for composite video, -27 dB for Y, -31 dB for C @ 5 MHz
DC offset (max. allowable).....	5.0 V
Input coupling.....	AC coupled

Video output

Number/signal type.....	1 S-video 1 composite video
Connectors	1 female 4-pin mini DIN for S-video 1 female BNC for composite video
Nominal level	1 V _{p-p} for Y of S-video and for composite video 0.3 V _{p-p} for C of S-video
Minimum/maximum levels.....	0.3 V to 1 V _{p-p} for video and Y
Impedance.....	75 ohms
Return loss.....	-40 dB @ 3.58 MHz
DC offset.....	±300 mV with input at 0 offset

Audio

Gain.....	Unbalanced output: 0 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise.....	<0.04% @ 1 kHz at nominal level
S/N.....	>90 dB at maximum output (unweighted)
Stereo channel separation	>80 dB @ 1 kHz

Audio input

Number/signal type.....	2 stereo, unbalanced
Connectors	4 female RCA
Impedance.....	>12k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mV _{rms}), unbalanced
Maximum level.....	>+12 dBu, unbalanced at 1% THD+N

NOTE 0 dBu = 0.775 V_{rms}, 0 dBV = 1 V_{rms}, 0 dBV ≈ 2 dBu

Audio output

Number/signal type.....	1 stereo, unbalanced
Connectors	2 female RCA
Impedance.....	50 ohms unbalanced
Maximum level (Hi-Z)	>+12 dBu, unbalanced at 1% THD+N
Maximum level (600 ohm).....	>+10.5 dBu, unbalanced at 1% THD+N
Nominal level	-10 dBV, unbalanced

Specifications — YCS SW2 A, cont'd

Control/remote

- Contact closure 1 female 3.5 mm captive screw connector, 3 pole
- Contact closure pin configuration 1 = input 1, 2 = input 2, 3 = GND; shorting pins 1, 2, and 3 together = autoswitch mode

General

- External power supply 100 VAC to 240 VAC, 50-60 Hz, external, to 12 VDC, 1 A max., regulated
- Power input requirements 12 VDC, 0.4 A
- Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
- Cooling Convection, no vents
- Mounting
 - Rack mount Yes, with optional 1U rack shelf
 - Furniture mount Yes, with optional mini under-desk mounting kit.
 - Pole mount Yes, with multi-product pole mounting kit
- 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)
- Regulatory compliance
 - Safety CE, c-UL, UL
 - Compliances CE, C-tick, FCC Class A, ICES, VCCI
- Warranty 3 years parts and labor

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

NOTE Specifications are subject to change without notice.

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