

VSC Installation Manual

S-Video to Video Converter

CR System Tools



The VSC Video to S-Video Converter delivers high-quality S-Video signals from a composite video input. Employing technology developed for the popular 232-ST5 S-Video TV Tuner, the VSC features digital 2-D adaptive Y/C separation for superior S-Video performance. Available in NTSC and PAL versions.

Front-panel settings allow video looping and selectively boost luminance (Y) and chrominance (C) video levels..

Designed for versatile installation, the compact VSC can be operated on a tabletop, attached to a display, or rack-mounted 3-across, mixed with other CR System Tools using the optional single-rack height RK3 Rack Kit.

Physical

Size: 5.5" [140mm] wide x 1.1" [28mm] height x 3.5" [86mm] deep
Weight: 8 oz [226g]
Enclosure: All aluminum with durable black powder coat paint
Mounting: Tabletop or attached to any flat surface
Mounts up to 3 units in RK3 Rack Mount

Connections

S-Video Output: Mini DIN 4-pin, Y - 1V p-p at 75 ohms, C - 0.286 V p-p at 75 ohms
Digital adaptive 2-D Y/C separation filtering, cross-color and cross-luminance reduction
Differential Phase .3° max, Differential Gain .2% max, Video bandwidth 10MHz, Luma S/N 77dB

Video Input: BNC composite input, 1V p-p, switchable direct or looping applications

Video Settings: 4-position DIP switch sets video options

Power LED: Green LED lights when DC power is active

Power In: 2.1mm coaxial jack (inside center conductor positive), 75 mA maximum
11.5 to 16.5 VDC, 12 VDC typical (may be unregulated)

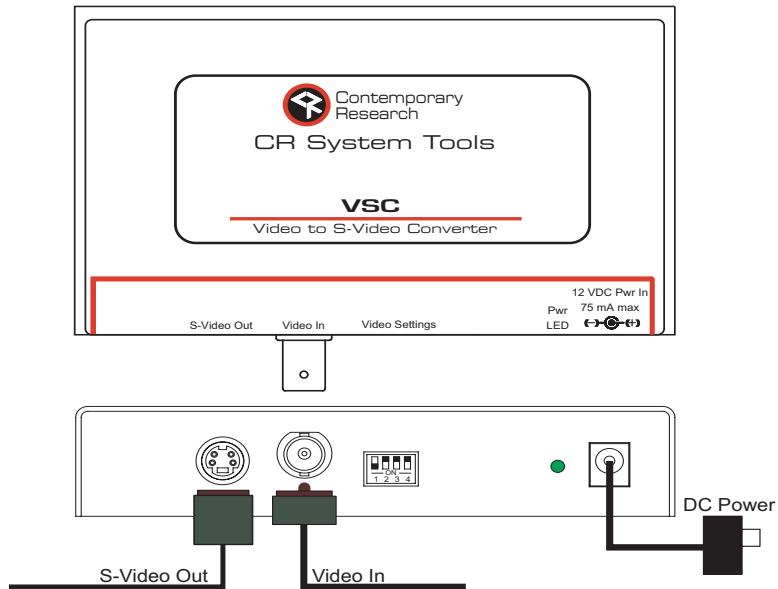
Includes

12 VDC power supply, 100 mA (North American shipments only)

RK3 Rack Kit

Size: 19.0" [483mm] wide x 1.73" [44mm] 1RU height x .437" [11mm] deep
Mounting: Three mounting spaces, each space accepts two 4-40 ¼" screws 4.25" apart to attach System Tool

VSC Installation



Video and Power Connections

- Video In: Connect BNC composite video, NTSC or PAL
S-Video Out: Connect S-Video cable (2-D Y/C processed video)
DC Pwr: Connect DC power supply, Green Pwr LED lights when DC power is active
Operation: 75 ohm video termination, no Y/C boost (default setting)

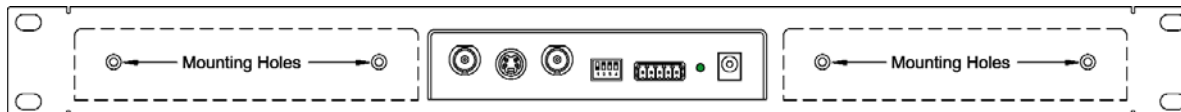
Video Settings

- Video Settings: 4-position DIP switch sets video options
Default setting is Switch 1 On (down), Switches 2 - 4 Off
Switch 1 On = 75 ohm video input termination, Off = High impedance for looping
Switch 2 On = Luminance (Y) boost (15%), Off = Unity gain
Switch 4 On = Chrominance (C) boost (15%), Off = Unity gain

Models

- VSC: Video to S-Video Converter, NTSC
VSC-PAL: Video to S-Video Converter, PAL

RK3 Rack Kit



- Mounting: Use screws included with RK3 to bolt System Tool into one of 3 positions
Back of System Tool includes two pre-tapped 4-40 1/4" mounting holes