



## Video to S-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. Front-panel settings allow video looping and selectively boost luminance (Y) and chrominance (C) video levels. NTSC and PAL versions available.

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.

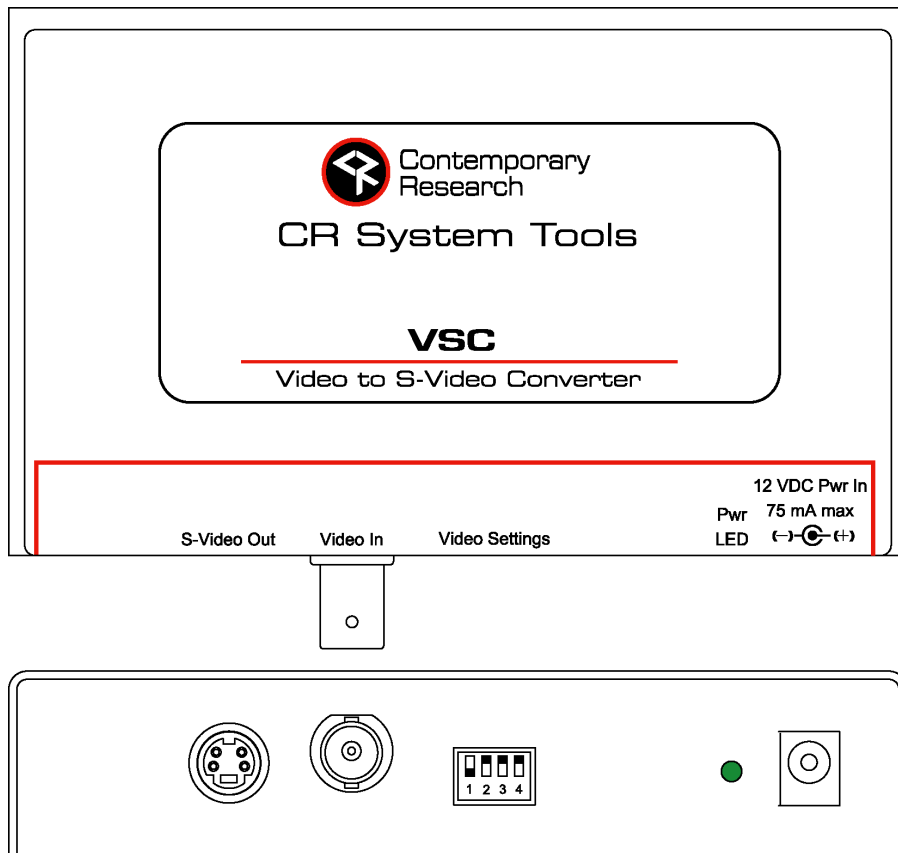
For applications that require high-quality S-Video conversion and Closed Captioning, use the VSCC, another simply smarter CR System Tool solution.

### Features

- ▽ Converts composite video input to S-Video signal for improved image quality, employing digital adaptive 2-D Y/C separation filtering, improving gain and phase matching while reducing cross-luminance and noise
- ▽ Selects video termination and boosts separate Y/C video gain using front-panel settings
- ▽ Offers flexible mounting options for fixed or free-standing applications
  - All connectors accessible from one side, simplifies wiring
  - Slimline metal enclosure can be attached to video units or any flat surface
  - Rack-mounts in optional RK3 Rack Kit, up to 3 units can be mounted side-by-side, connections face back of rack
- ▽ Includes 100 mA DC power supply (domestic only)
- ▽ Available for NTSC (VSC) and PAL (VSC-PAL) video formats



# VSC Specifications



## 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

## Front Panel

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  
Maximum video output 1.5V p-p

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

Video Settings: 4-position DIP switch sets video options  
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

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)

## Options

RK3 Rack Kit for mounting up to 3 units across in 19" rack, 1 RU, back edge pre-drilled for rack kit

## Models

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