

### Applications

Meet ADA Requirements  
Control captioning on/off  
Convert video to S-Video



### Sales Support

Planning an application for System Tools? Our Sales Support staff will be happy to work with you, providing expert integration assistance and a complete systems proposal.

### Tech Support

Need tech help? Give us a call. Our tech support staff are experts in the integration industry, so we can research solutions in the proposal stage, advise on programming requirements, and resolve installation issues.

Our job is to make our solutions work seamlessly with your system, performing as promised.

### Related Products

232-ST5 AV Tuner with Captioning

Contemporary Research AV Tools offer simple solutions to specific systems needs. The Captioning Tools series includes controllable closed-captioning, video detection, and S-Video conversion.

- All connections available from one side to simplify wiring
- Compact metal enclosure mounts anywhere
- Rack-mount three across with optional RK3 Rack Mount
- Designed for systems integrators with flexible control options
- Includes DC power supply

### Models

#### VSCC S-Video Closed-Caption Decoder

- Inserts closed captions over composite NTSC video
- Converts output to S-Video
- Offers eight selectable captioning modes
- Features closure caption on/off and video sense feedback
- Includes captive screw terminal with closed caption on/off, video sense output, and alternate DC power connection

#### VCC Closed-Caption Decoder

- Inserts closed captions over composite NTSC video
- Offers eight selectable captioning modes
- Features closure caption on/off
- Includes captive screw terminal with closed caption on/off and alternate DC power connection

# AV Tools

## Captioning



VSCC



VCC

### Specifications

Feature	VSCC	VCC
<b>Type</b>	S-Video Closed Captioning	Video Closed Captioning
<b>Physical</b>	5.5" [140mm] W x 1.1" [28mm] H x 3.5" [86mm] D 8 oz [226g] All aluminum enclosure with durable black powder coat paint Surface mount or in equipment rack, up to 3 units in optional RK3 Rack Mount	
<b>Front Panel</b>	BNC Video Out Mini-DIN S-Video Out BNC Video In DIP Switch, 4 position Captive Screw Terminal 1 GND 2 Captions 3 Unassigned 4 Video Detect 5 DC Power Power LED DC Power In	BNC Video Out BNC Video In DIP Switch, 4 position Captive Screw Terminal 1 GND 2 Captions 3 Unassigned 4 Unassigned 5 DC Power Power LED DC Power In
<b>DIP Switch</b>	Sets Caption modes CC1-4, TT1-4 Sets control options, including momentary/latching	
<b>S-Video Out</b>	VSCC Only 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	
<b>Power</b>	2.1mm coaxial jack, 100 mA max 11.5 to 16.5 VDC, 12 VDC typical, may be unregulated	
<b>Includes</b>	12 VDC power supply, inside center conductor positive, 100 mA (domestic shipments only)	
<b>Options</b>	RK3 Rack Mount, 1 RU, mounts three AV Tools across	

### Warranty

All CR products feature a full two-year warranty.

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