

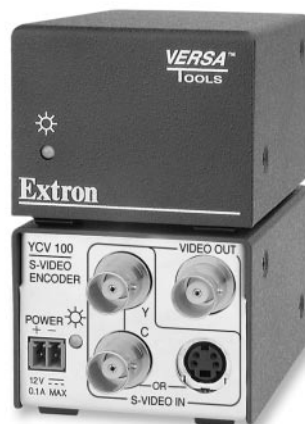
# VYC 100 & YCV 100

COMPOSITE VIDEO TO S-VIDEO DECODER &  
S-VIDEO TO COMPOSITE VIDEO ENCODER

- VYC 100 decodes (separates) composite video to S-video
- YCV 100 encodes S-video to composite video
- Uses digital three-line adaptive comb filter (VYC 100 only)
- Quad standard compatible
- 1U, one-eighth rack width metal enclosure
- External international power supply



VYC 100



YCV 100

The Extron VYC 100 is a composite video to S-video decoder and the YCV 100 is an S-video to composite video encoder. Both offer an economical, compact solution for signal conversion applications.



**Extron® Electronics**

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# DESCRIPTION

The Extron **VYC 100** composite video to S-video decoder and **YCV 100** S-video to composite video encoder are high performance and economical VersaTools™ products that provide signal conversion solutions. The VYC 100 and YCV 100 function as alternatives for application-specific environments where the source signals are either decoded from composite video to S-video or encoded from S-video to composite video.

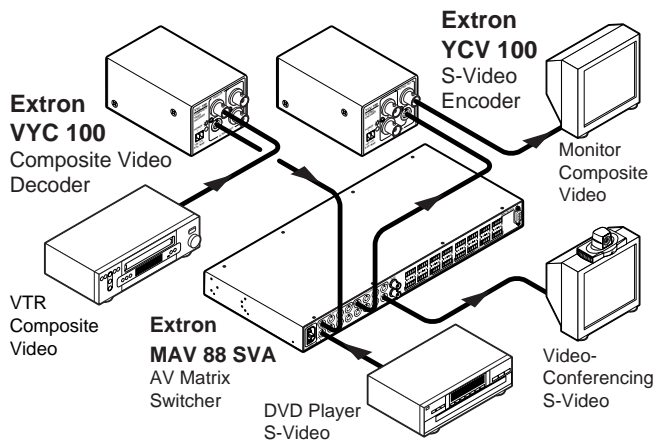
The VYC 100 is a composite video to S-video decoder that decodes or separates an incoming composite video signal on a female BNC connector, and outputs it as two simultaneous S-video signals on a 4-pin mini DIN connector and two female BNC connectors for the luma (Y) and chroma (C) signals.

The YCV 100 is an S-video to composite video encoder that encodes an incoming S-video signal on a 4-pin mini DIN connector or two female BNC connectors for the luma (Y) and chroma (C) signals, and outputs it as a composite video signal on a female BNC connector.

# FEATURES

- The VYC 100 decodes (separates) composite video to S-video
- The YCV 100 encodes S-video to composite video
- Uses digital three-line adaptive comb filter (VYC 100 only)
- Quad standard compatible
- 1U, one-eighth rack width metal enclosure
- External international power supply included

# APPLICATION DIAGRAM



# SPECIFICATIONS

## VIDEO

Gain .....	Unity
Bandwidth	
YCV 100.....	8 MHz (-3dB)
VYC 100.....	5.5 MHz (±0.5dB), 7 MHz (-3dB)

## INPUT

Number/signal type	
YCV 100.....	1 S-video
VYC 100.....	1 composite video
Connectors	
YCV 100.....	2 female BNC or 1 female 4-pin mini DIN
VYC 100.....	1 female BNC
Nominal level.....	1V p-p for Y of S-video, and for composite video 0.3V p-p for C of S-video
Minimum/maximum levels	
S-video.....	Analog: 0.3V to 1.5V p-p
Composite video .....	Analog: 0.3V to 1.5V p-p with no offset
Impedance .....	75 ohms
Return loss .....	<-40dB @ 0 to 8 MHz

## VIDEO OUTPUT

Number/signal type	
YCV 100.....	1 composite video
VYC 100.....	2 S-video
Connectors	
YCV 100.....	1 female BNC
VYC 100.....	2 female BNCs or 1 female 4-pin mini DIN
Nominal level.....	1V p-p for Y of S-video and for composite video 0.3V p-p for C of S-video
Minimum/maximum levels .....	0.3V to 1.5V p-p
Impedance .....	75 ohms
Return loss .....	<-30dB @ 10 MHz

## GENERAL

Power .....	100VAC to 240VAC, 50/60 Hz, 6 watts, external, autoswitchable; to 12VDC, 1 A power supply. YCV 100 requires 0.1A, VYC 100 requires 0.5A.
Rack mount .....	Yes, with optional rack shelf, part #60-190-01 or part #60-190-20; under-furniture mountable with optional brackets #70-212-01; or projector mountable with optional brackets #70-217-01
Enclosure type .....	Metal
Enclosure dimensions .....	1.7" H x 2.2" W x 3.0" D (1U high, one-eighth rack width) 4.3 cm H x 5.6 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight .....	0.5 lbs (0.2 kg)
Shipping weight .....	1 lbs (0.5 kg)
Listings/Compliances .....	UL, CUL, CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty .....	3 years parts and labor

## Model Part Numbers

VYC 100.....	60-558-01
YCV 100.....	60-559-01

## Optional Accessories

VersaTools Rack Shelf Kit.....	60-190-20
1U Universal Rack Shelf Kit.....	60-190-01
Mini Under-Desk Mount Kit .....	70-212-01
Mini Projector Mount Kit .....	70-217-01

Specifications are subject to change without notice.



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