

ProSeries™ Encoders & Decoders

Convert Y/C video to composite video with the ProSeries Encoder

Convert composite video to Y/C video with the ProSeries Decoder

Features:

- Available with either two or four outputs
- Meticulous circuit designs deliver optimum performance and signal quality
- Compact, rugged ProSeries epoxy encapsulated packaging
- Backed by VAC's 30 years of experience

The ProSeries Encoder and Decoder products deliver simple, reliable and accurate conversion between Y/C and composite video formats.

The Y/C to composite video Encoder is available with standard or loop-thru inputs, and two gain options:

- Unity Gain for plug-and-play simplicity
- Variable Gain, with separately adjustable Y and C gain, composite video gain, and EQ, for optimum signal control.

The composite to Y/C video Decoder, with models for both NTSC and PAL standards, uses a proprietary comb filter design that eliminates conversion artifacts or "ghosts" that are common in many other decoder products.

General:	
Composite Video Connector	BNC
Y/C Video Connector	DIN
Outputs	2 or 4
Power	12V AC or FlexPwr™; < 300mA fully loaded
Size	4.4" x 2.2" x 0.64" (L x W x H) Not including connectors
Mounting	2 ea. 6-32 threaded brass inserts
Shipping Weight	2 lbs
Encoder:	
Gain	Unity or Global Variable Gain & EQ
Input	Standard 75 Ohm or Loop-thru 10KOhm
Decoder:	
Format	NTSC or PAL
Gain	Unity
Input	Standard

• Y/C to Composite ENCODERS

# of Outputs	Input Type	Gain	12V AC	FlexPwr™
2	Standard	Unity Gain	71-111-202	71-111-202
		Variable Gain & EQ	71-113-102	71-113-102
	Loop-thru	Unity Gain	71-121-202	71-121-202
		Variable Gain & EQ	71-123-102	71-123-102
4	Standard	Unity Gain	71-111-204	71-111-204
		Variable Gain & EQ	71-113-104	71-113-104
	Loop-thru	Unity Gain	71-121-204	71-121-204
		Variable Gain & EQ	71-123-104	71-123-104

• Composite to Y/C DECODERS

Input Type	Cable Type	12V AC	FlexPwr™
2	NTSC	72-111-102	72-511-102
	PAL	72-121-102	72-521-102
4	NTSC	72-111-104	72-511-104
	PAL	72-121-104	72-521-104

Breakouts

Video Accessory Corporation has redesigned all of the breakouts into a more standardized form. VAC also offers greater choices for breakout options. By encapsulating the connectors in epoxy, VAC's passive breakout devices help to maintain the integrity of the signal because there are no cables which are subject to the stress of flexing. All of the new breakouts are bidirectional and should be purchased in pairs for installation at each end of a cable.

Note: These are passive devices to change connector style, not active splitters or converters.

Breakouts

Y/C to BNC (# 51-120-100)

Y/C to RCA (# 51-130-100)

Y/C to SMB (# 51-140-100)

Y/C to F (# 51-150-100)

BNC to RCA (# 51-230-100)

BNC to SMB (# 51-240-100)

BNC to F (# 51-250-100)

SMB to F (# 51-450-100)

SMB to RCA (# 51-430-100)

RCA to F (# 51-350-100)

RCA to TB (audio) (# 51-360-100)

General Specifications for all Breakouts

**-Package: Epoxy encapsulated block
(2.2"W X 0.65"H X 2.2"D; +/-0.030")**

See figure A, pg 45

-All connectors on same side

-Mounting: Two threaded 6-32 inserts

**Mechanical Drawing of a 51-120-100
(Y/C Mini-DIN to BNC Breakout)**