# **5350 and 5355** 4 Channel Analog to SD Digital Video Converters

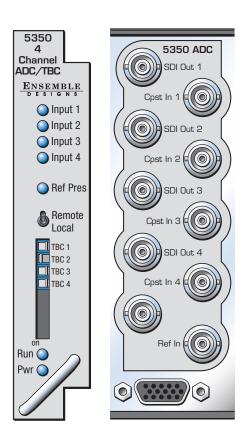
The Avenue 5350 and 5355 modules are four channel analog composite to serial digital video converters. Use these modules with routers, switchers, remote trucks or any application that requires many channels of high quality conversion.

12 bit analog to digital conversion, digital decoding of the composite input, and adaptive comb filtering ensure superior output signals. Proc amp functions allow adjustment of video, chroma, setup and hue.

5350 also has a genlock reference input and a TBC/Frame Sync for each of the four conversion channels. The 5350 can accept noisy inputs and is well suited for feeds from remote trucks and satellite receivers. Additionally, the 5350's outputs are independently timeable.

### Features

- 4 channels of conversion on one module
- 4 analog inputs, four SDI outputs
- 12 bit processing, 4 x oversampling
- PAL/NTSC auto detect
- Adaptive comb filter
- Proc amp
- 5350 has TBC/Frame Sync, independently timeable outputs
- 5350 accepts noisy inputs
- 5350 has an internal color bar generator





# 5350 and 5355 4 Channel Analog to SD Digital Video Converters

### Analog Video Inputs (4 each)

Signal Type	Composite, NTSC or PAL
Impedance	75 Ω
Return Loss	>40 dB DC to 5.5 MHz
Input DC	$\pm 1$ volt DC
Input Hum	<100 mV

#### **Reference Input (5350 only)**

Signal Type	
Impedance	
Return Loss	

1 V P-P Composite Video, PAL or NTSC 75 Ω >40 dB

#### Serial Digital Outputs (4 each)

SMPTE 259
75 Ω
>15 dB
None (AC coupled)
5350: 1 line, adjustable up to 1 frame
5355: 1 line

#### **Analog Video to SDI Performance**

Bit Resolution	12 bit input quantization,
	4 x oversampling
Decoding	Adaptive Comb Filter,
	3 or 5 line selectable
Signal to Noise	>62 dB, weighted
Frequency Response	$\pm 0.1$ dB, 0 to 5.5 MHz
General Specifications	

<7.0 watts
0 to 40°C ambient (all specs met)
0 to 95%, noncondensing
0 to 10,000 ft

