5385
Analog Composite to SD Digital Converter

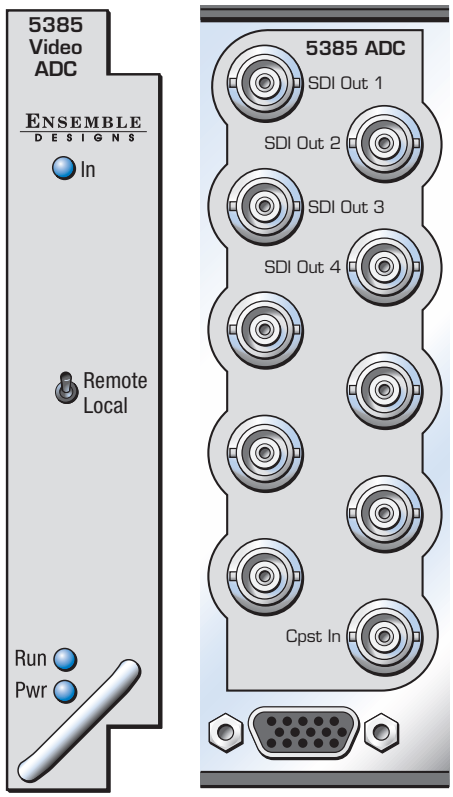
The 5385 module converts analog composite video to serial digital component. Its 12 bit processing and 4 x oversampling ensure clean signals that can be used in the most demanding applications.

The analog input is digitally decoded with sophisticated filtering to cleanly separate chroma and luminance content. The user selectable adaptive comb filter can be set to 3 line or 5 line mode. Complete proc controls provide adjustment for video, chroma, setup and hue. The SDI output is synchronous with respect to the analog video input.

Module parameters can be monitored and controlled both locally and remotely. Remote control is accessed with an Avenue Control Panel or through Avenue PC Software.

Features

- **Converts composite to serial digital component**
- **Four serial digital outputs**
- **12 bit processing, 4 x oversampling**
- **Complete proc amp adjustments**
- **Adaptive comb filtering**
- **Memory registers**
- **Auto-senses PAL/NTSC**
- **Local and remote control**



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Analog Video Input

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

Serial Digital Output

Number	Four
Type	SMPTE 259
Impedance	75 Ω
Return Loss	>15 dB
Output DC	None (AC coupled)
Delay	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	±0.1 dB, 0 to 5.5 MHz

General Specifications

Power Consumption	<7.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft