



**ADC-8733A  
ADC-8733A-S**

**Analog Component to SDI Video Converter**

High quality conversion of analog component signals in to 270Mb/s SDI.

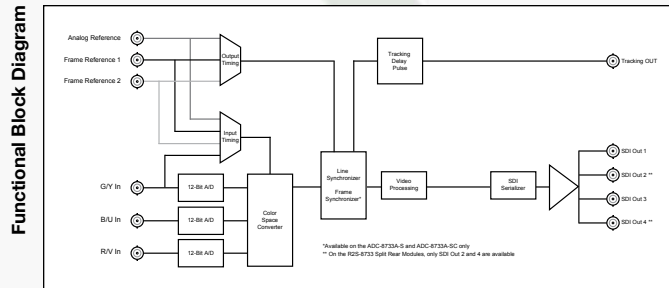
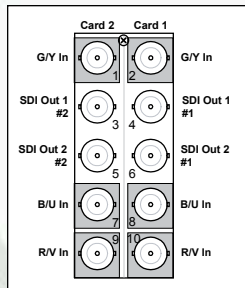
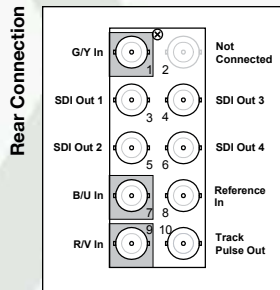
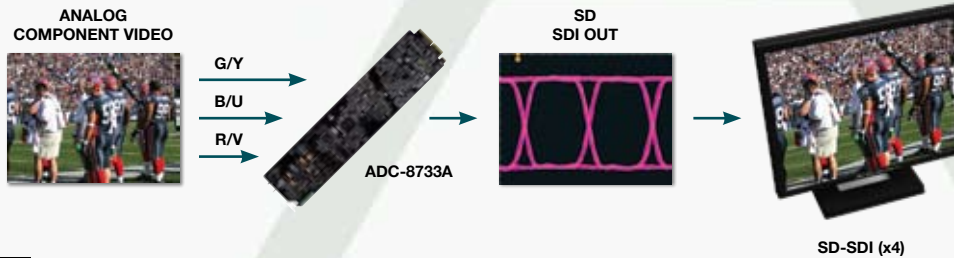
The ADC-8733A(-S) is the perfect solution for converting analog component (YUV / RGB) sources such as VTRs, cameras, and character generators for use in the digital realm. The component YUV / RGB video signal, with or without setup, is converted to four SD-SDI (SMPTE-259M) outputs employing 2X over-sampled 12-bit A-D conversion and high quality digital filtering to ensure superb frequency response.

The ADC-8733A comes standard with a built-in Line Delay and Line Synchronizer as well as advanced Proc Amp controls.

The ADC-8733A-S version comes with Frame Synchronizer and Frame Delay modes, capable of synchronizing incoming video to house reference. Various timing modes are available to accommodate most situations. New techniques in frame synchronization contribute to the low power requirements and compact design.

**Features**

- YUV input from Betacam, MII and SMPTE / EBU formats
- All RGB input formats supported
- Field-upgradeable Frame Synchronization option available
- Programmable vertical interval blanking and signal pass-through
- Extensive Proc Amp controls, pass or clip Super Black
- Freeze modes, horizontal and vertical timing adjustments
- Tracking Delay Output for companion audio synchronizer
- Built-in test signals (FF color bars, SDI Checkfield)
- 5-year transferable warranty
- Power: 4.5 watts



**REMOTE CONTROL and MONITORING**

- Ethernet 10/100 Mbit network control
- SNMP support
- Compliant with DataSafe™



## Analog Component with 4 Channels of Analog Audio to SDI Converter

High quality conversion of analog component signals with 4 channels of audio to 270Mb/s SDI.

The ADC-8733A-C (-SC) is the perfect solution for converting analog component (YUV / RGB) sources with audio such as VTRs, into the digital realm. The component YUV / RGB video signal, with or without setup, is converted to digital using a 2X over-sampled 12-bit A-D conversion and high quality digital filtering to ensure superb frequency response. Analog audio is converted at 24-bit resolution and offers adjustable +/-10dBu of gain and delay up to 5 seconds.

**ADC-8733A-C:** includes the audio processing daughter card and features four channels of analog audio embedding plus all the ADC-8733A features.

**ADC-8733A-SC:** includes a Frame Synchronizer in addition to all the features available on the ADC-8733A and ADC-8733A-C.

The ADC-8733A-C comes standard with a built-in Line Delay and Line Synchronizer as well as advanced Proc Amp controls. The ADC-8733A-SC version comes with a Frame Synchronizer, capable of synchronizing incoming video and audio to house reference. Various timing modes are available to accommodate most situations. New techniques in frame synchronization contribute to the low power requirements and compact design.



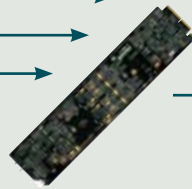
**ANALOG COMPONENT VIDEO**



G/Y  
B/U  
R/V



**4 CHANNELS ANALOG AUDIO**



ADC-8733A-C



SD-SDI with EMBEDDED AUDIO (x2)

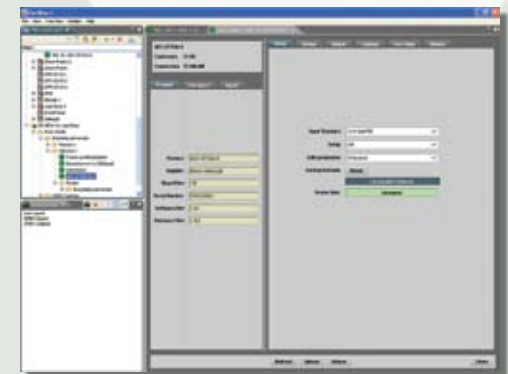
### Features

- Component video with 4 analog audio conversion to SDI input from Betacam, MII and SMPTE / EBU formats
- All RGB input formats supported
- Automatic 525/625-line selection
- Programmable vertical interval blanking and signal pass-through
- Extensive Proc Amp controls
- Freeze modes, horizontal and vertical timing adjustments
- 4 channels of analog audio embedded
- 24-bit audio ADC resolution, adjustable gain and delay
- 5-year transferable warranty
- Power: 8.5 watts

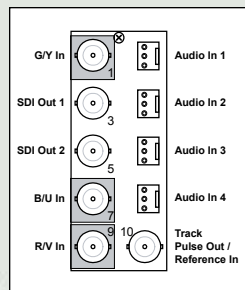


### REMOTE CONTROL and MONITORING

- Ethernet 10/100 Mbit network control
- SNMP support
- Compliant with DataSafe™



Rear Connection



Functional Block Diagram

