

# Pyro | AV HD12ADC

## Multi-Rate 12 bit Analog Video to HD/SD-SDI

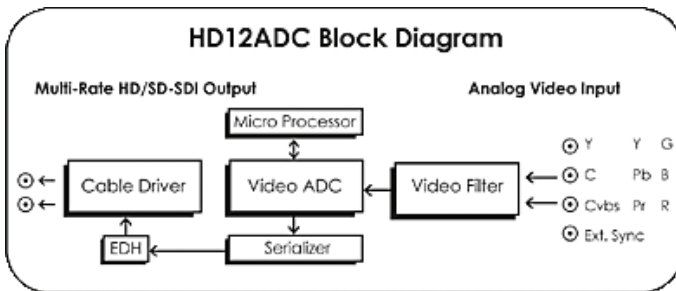
- > Perfect for converting analog video to SDI video
- > 12 bit video decoder converts HD Component Video to HD-SDI
- > Supports NTSC, PAL and Secam up to 1080i 60
- > Outputs HD or SD-SDI via 2 BNC connectors

The HD12ADC accepts analog video (Composite, Y/C, RGB, YPbPr) at resolutions up to 1920 x 1080i 60 and uses 12 bit ADC's to generate two duplicate SDI video streams.

The Multi-Rate serializer generates either SD-SDI or HD-SDI depending upon the resolution of the analog video signal input. The HD12ADC provides two Multi-Rate SDI (SMPTE 259M and 292M) outputs over 75 Ω BNC connectors.

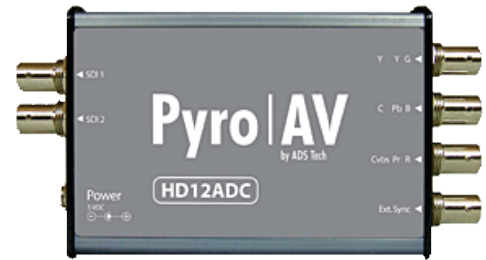
The HD12ADC is a broadcast quality converter designed to demanding quality specifications utilizing the finest components available yet offered at a low cost. The HD12ADC is an exceptional and versatile tool to convert all of your analog video into Multi-Rate SDI streams.

The HD12ADC accepts analog video sources (Composite, Y/C, Betacam, YPbPr, RGB) auto detects the format (NTSC, PAL, SECAM) and utilizes 12 bit analog to digital converters producing up to 4:4:4 SDI (SMPTE 292M and 259M-C) SDI video.



The HD12ADC includes an LED indicating the creation of a locked SDI signal. The HD12ADC serializes the video stream with superior jitter rejection and provides NRZI-to-NRZ encoding and scrambling as per SMPTE 292M and 259M-C and EDH (Error detection and handling) packet generation.

The HD12ADC utilizes a very high quality HD/SD video decoder with high quality low bandpass filters and 12 bit analog to digital conversion.



### Features.

- Multi-Rate Analog video to HD/SD-SDI decoder
- 12 Bit analog to digital conversion
- Automatic detection and switching to NTSC (M/N), PAL (B/D/G/H/I/M/N)
- User Selectable settings for video input configuration
- Convert HD analog sources to HD-SDI
- Convert SD analog sources to SD-SDI
- SDI Signal locked LED indicator
- 8 position dip switch for user selectable settings
- Rugged Aluminum and Steel enclosure
- 5 VDC (110-240 50/60 Hz) Locking Power Supply
- 5 year warranty

### Specifications.

- Video Inputs
  - YPbPr - SMPTE, RGB (3 BNC's), Composite CVBS) or Y/C
- External Sync Input
  - 1 BNC Composite Sync
- SDI Outputs
  - 2 BNC Connectors
- Serial Output
  - SMPTE 292 and 259M, SDI
- SDI Cable Driver
  - 75Ω source impedance
  - Return Loss >15 dB between 5 MHz and 1.485 GHz.
- Connectors
  - 75 Ω BNC
- Differential Gain
  - 0.4%
- Differential Phase
  - 0.4 degrees
- Frequency Response
  - +/- .5 db to 30 Mhz (Y)
  - +/- .25db to 15 Mhz (Chroma-Composite)
- A/D Converter
  - 12 bit
- Output Signal
  - 10 bit SDI
- Power
  - 5VDC - 110-220 50/60 Hz
  - Locking Power connector
  - Enclosure - 4.185" L x 2.90" W x 1.0" H
- Size
  - Enclosure - 5.813"L x 3.124"H x 1.187"W

### Includes.

- HD12ADC Video Encoder
- 5 VDC Power Supply with Locking Connector
- Velcro Strips for easy mounting
- 2 each 4-40 standard rack mounting screws
- User Guide

### Part Number.

PVC-940

### UPC.

7-57887-94000-3

### Box Dimensions.

10.5"W x 8.75"H x 3.25"D