



Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

1261

Analog Video to SDI Conversion with Frame Sync



The 1261 is an analog video to serial digital (SDI) conversion module with an integral frame synchronizer. The unit is 10 BIT processing that meets broadcast standards for professional use. Composite analog video is converted to 10-bit parallel data and decoded to 4:2:2 digital component video using the state of the art design.

The 1261 features dual video I/O signals. Two independent analog inputs can be converted to two independent SDI outputs, (Channels '1' & '2'). One card performs as two independent analog to SDI, A to D conversion. An analog black reference input provides independent timing for each of the two outputs.

The H timing range is infinite for precisely timing the signals into the system. In the Gen0lock mode, the 1261 will automatically detect which reference format, NTSC or PAL. In the free-running mode, the 1261 defaults to NTSC, and to operate in PAL, an external PAL black burst signal must feed the EXT REF input.

In the event of loss of input signal, the user can select the output to freeze the last frame (four fields), black or SMPTE color bars. The front panel rotary encoder provides adjustments of timing and phase for Channels '1' and '2'. The rear panel accepts two analog video inputs, and provides two SDI outputs of each input. A single BNC is provided for black reference input, impedance 75 ohms.

The front card edge 7 segment display provides information about the operating performance. The front card edge has two switches used as "menu" and "escape" and a rotary encoder for system timing. The "menu" switch is used to select channels for adjustment of each parameter. The rotary encoder is used to browse through the various settings in each channel and make adjustments the "escape" switch is used to go back to the previous menu item. The menu selections may be used bi-directionally for ease of setup.

Exceptional Technical Support

The 1261 is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

Features

- 10 Bit Analog to Digital Processing
- Analog Composite Input
- SDI Output
- Analog Gen-Lock

- Freeze Last Good Frame
- Infinite Timing Range
- NTSC or PAL
- 7-Segment LED Display

- Gen-Lock, Frame Sync
- H Timing
- V Timing

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Analog Input:

Number of Inputs: 2 Channels
Connector: 75 Ohm BNC
Signal Level: 1 Volt, nominal
Impedance: 75 Ω
Return Loss: >40dB up to 10MHz
Hot Switch Lock: Between 15 to 40 frames

SDI Video Outputs:

Number of Outputs: 2 Each Channel
Standards: NTSC or PAL
Connector: 75 Ohm BNC
Impedance: 75 Ohm terminated into a 1% load
Return Loss: >25db
Output Level: 800 mV
DC Offset: 0V +/- 0.1V
Rise Time: 555pS
Fall Time: 540pS
Low frequency jitter: 0.31 UI
Alignment jitter: 0.50 UI

Reference Inputs:

Signal Type: Analog Black Burst into 75 ohm load
Frequency Lock Range: ± 20 ppm from nominal

Environmental:

Temperature: 0 to 50 C ambient
Humidity: 10% to 90% non-condensing
Power: 5.6 Watts

Mechanical:

Length: 10.0"
Width: 4.27"
Weight: 7 oz.

Front Panel LED Indicators:

Power: Green/ power is on
H-Lock: Green/horizontal is locked to incoming H/Red horizontal is unlocked
NTSC: Green/SW1 is selecting NTSC
PAL: Yellow/SW1 is selecting PAL



The manufacture reserves the right to change specifications without notice

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