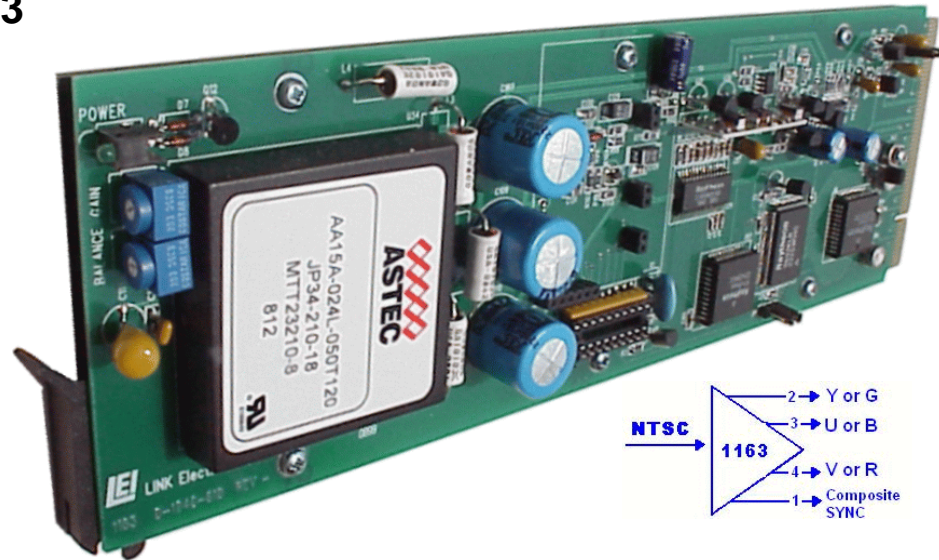




**LINK ELECTRONICS, INC.**

## NTSC/PAL COMPOSITE TO COMPONENT ANALOG CONVERTER DigiFlex 1163



### FEATURES

- ◆ 3 Line Adaptive Digital Comb Filter
- ◆ 10 Bit or 12 Bit Processing
- ◆ Analog Composite Input
- ◆ YUV Outputs or RGB
- ◆ Composite Sync Output

The LINK 1163 analog composite to analog component decoder provides an accurate means of converting analog NTSC to component analog, YUV or RGB. The 1163 utilizes high performance hybrid output filters mounted on the rear cell to detect and output RGB or YUV signals

The input analog to YUV decoder features 2x over-sampling. Decoding is handled by a state-of-the-art three-line adaptive comb which eliminates the "hanging dots" associated with traditional comb filters. The 1163 utilizes 10 Bit processing. The unit is available with 12 Bit option. Choose rear cell 1024 to provide YUV output and rear cell 1025 to provide RGB output.

### Mounting Frame Options

- 1000 - Single Power Supply, Holds 5 Modules
- 1000/2 - Dual Power Supply, Holds 5 Modules
- 7200 - Mounting Frame, Holds 1 Module

A rear cell matches the 1163 for system flexibility. The 1000 frame will accommodate digital, analog, audio or video in the same frame. System upgrade is made simple with the DigiFlex 1000 series products.

The DigiFlex 1163 is designed to reside in LINK's 1000-Series frame. This frame can house up to 5 1163 modules due to power. For stand-alone applications, the DigiFlex modules may be mounted in a small portable chassis for single module use, model 7200. The 7200-Series "single-module frame" features a modular power supply for insertion of any DigiFlex series front and rear modules.

**LINK ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668  
Phone 573 334 4433 ◆ FAX 573 334 9255

# DIGIFLEX 1163 ANALOG TO YUV DECODER SPECIFICATIONS

## VIDEO INPUT

Number: ..... ONE (1)  
 Standard: ..... NTSC or PAL ANALOG Composite  
 Configuration: ..... Differential  
 Connector: ..... 75Ω BNC  
 Impedance: ..... >75Ω±1%  
 Common Mode Rejection: ..... >60dB  
 Return Loss: ..... >40dB to 5.5MHz  
 Signal Level: ..... 1Vpp ±3dB

## COMPONENT ANALOG OUTPUT, Depends on rear cell

Number: ..... ONE EACH, Y,U,V, Rear cell 1024  
 Number: ..... ONE EACH, RGB, Rear cell 1025  
 Y Frequency Response: ..... ±0.3dB to 5.5MHz  
 U, V Bandwidth: ..... 1.0MHz  
 RGB Frequency Response: ..... ±0.3dB to 5.5MHz  
 Signal to Noise Ratio: ..... >55dB  
 Tilt: ..... <0.5%  
 Overshoot: ..... <0.5%  
 Luminance Non-Linearity: ..... <1.0%  
 Subcarrier Rejection: ..... >45dB  
 DAC Resolution: ..... 10 BIT  
 ..... 12 Bit Option  
 Composite SYNC ..... 4.0 Vp-p

## ENVIRONMENTAL

Temperature: ..... 0° to 50°C Ambient  
 Humidity: ..... 10% to 90% non-condensing  
 Power: ..... 6 Watts

## MECHANICAL:

Height: ..... 3.2 Inches  
 Width: ..... 1 Inch  
 Length: ..... 10 Inches  
 Weight: ..... 8 Oz.



**REAR CELL  
1025 RGB**

Rear Cell I/O  
 IN. Comp In  
 1. Sync Out  
 2. G Out  
 3. B Out  
 4. R Out

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**REARCELL  
1024-YUV**

Rear Cell I/O  
 IN. Comp In  
 1. Sync Out  
 2. Y Output  
 3. U Out  
 4. V Out

**PROFESSIONAL SERIES--  
 modular system products--by LINK**

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