



Mounting Frame Options

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

1151

Analog White Clip Video DA

1x8



The DigiFlex 1151 is a state-of-the-art analog video distribution amplifier with cable equalization and white clip. The 1151 provides high-performance analog video distribution in the LINK DigiFlex 1000 Frame. The advantage is obvious: both analog and digital distribution amplifiers can operate side-by-side in a single frame!

Utilizing the latest CMF Op-Amp technology, the 1151 combines wide bandwidth, low noise, and low power consumption. The video path is truly transparent, with differential phase and gain errors of $<0.1\%$ and $<0.1\%$, respectively. Video signal-to-noise ratio exceeds 65dB. Frequency response is exceptionally flat beyond 40MHz and features a gentle roll-off to -3dB at 100MHz—perfect for analog HDTV. Eight outputs are provided on its companion rear cell, 1011. The 1011 has only 7 outputs if the input is specified looping.

DC-coupled differential input is a standard feature, providing high common-mode rejection. Cable equalization is adjustable from the front card edge and can compensate for loss in coax cable up to 1000 feet of Belden 8281. Clamp is referenced to back porch. White clip is adjustable from the front card edge with a range of 100 IRE units ± 30 IRE units.

The attention to detail in the design of the 1151 extends to the power supply, which features a simple switching regulator. While slightly more complex than a linear supply, this offers the highest possible efficiency.

Two convenient mounting frames are available for the DigiFlex series products, 1000 and 7200.

Exceptional Technical Support

The 1151 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

- White Clip
- Op Amp. Technology
- Eight Outputs, 7 Looping

- DC Coupled
- ± 3 dB Gain

- 100 MHz Bandwidth
- Diff. Gain and Phase 0.1

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Input:

Video Level: 1.0 Vp-p±3dB
Impedance: 75 ohms, bridging
Common Mode Range: 5Vp-p
Maximum DC In: ±5 VDC
CMRR: 70dB
Return Loss, Non Looping Input: >45dB @ 5 MHz
Return Loss, Looping Input: >35dB @ 5 MHz

Outputs:

Number: Eight (8), BNC; option 7 outputs with looping
Level: Unity Gain ±3dB

Performance:

Frequency Response: ±0.5dB to 55 MHz
..... ±1dB to 60MHz
..... 3.0dB to 100 MHz
Differential Gain: <0.1%, 10% to 90% APL
Differential Phase: <0.1°, 10% to 90% APL
Clamping Action: 40dB for 10% to 90% APL
..... 6dB @60Hz
DC Gain Stability: 0.2%
Signal-to-Noise: >65dB
Hum: >70dB, below 1.0V p-p
Output Isolation: > 45dB at 3.58 MHz
Return Loss: 50dB to 5 MHz
Tilt: <0.4%
Ringing: <0.4%
High Freq. Overshoot: <0.4%
Coupling: DC Servo, Average DC output =0
Harmonic Distortion: SC @ 3.58Hz, 2Vp-p
..... Less than 0.4% (48dB)

Front Controls:

Gain Control: ±3dB continuous from unity
White Clip: 100 IRE ±30 IRE Units
Cable Equalizer: Equalizes up to 1000 Ft

Environmental:

Temperature: 0° to 50° C, ambient
Humidity: 10% to 90% non-condensing

Power:

DC Voltages:
+5 VDC: 50mA
-5 VDC: 50mA

Mechanical:

Height: 3.5 inches
Width : 1 Inch
Depth: 10 Inches
Weight: 7.1 Ounces
Mounting: Mounts in 1000 or 7200



The manufacture reserves the right to change specifications without notice

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