

Mounting Frame Options

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

1152

Analog Video Distribution Amplifier 1x8



The DigiFlex 1152 Video DA represents the state of the art in analog video distribution. The 1152 provides high-performance 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 1152B 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.

DC-coupled differential input is a standard feature, providing high common-mode rejection. Eight outputs are available on the companion rear cell, model 1011. The front panel gain control adjusts the level to $\pm 3\text{dB}$.

The attention to detail in the design of the 1152 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.

Exceptional Technical Support

The 1152 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

- Eight Outputs
- Differential Input
- DC or AC Coupled

- Op Amp. Technology
- $\pm 3\text{dB}$ Gain, each set of four
- 100 MHz Bandwidth

- Diff. Gain and Phase 0.1

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Inputs:

Number: One, terminated
Level: 1 Vp-p \pm 3dB
Impedance: 75 Ω Terminated
Common Mode Range: 5 Vpp
Maximum DC In: \pm 5Volts
CMRR: >70dB @ 60Hz
Return Loss: >40dB @ 3.58MHz

Outputs:

Number: Eight
Impedance: 75 Ω
Level: Unity Gain \pm 3dB
Connectors: BNC

Amplifier Performance:

Frequency Response: \pm 0.5dB to 40MHz
..... \pm 1dB @ 60MHz
..... -2.0 dB @ 80MHz
..... -3dB @ 100MHz
Differential Gain: <0.1%
Differential Phase: <0.1 $^\circ$
DC Gain Stability: >50dB
Noise: >65dB
Hum: >70dB
Output Isolation: >40dB @ 3.58MHz
Return Loss: >40dB @ 6MHz
Line Rate Tilt: <0.2%
Field Rate Tilt: <0.2%
Ringing: <0.4%
High Frequency Overshoot: <0.4%
Coupling: DC Servo, Average DC Output = 0
Propagation Delay: 14nS

Adjustments: (Front edge of module):

Video Gain: \pm 3dB

Environmental:

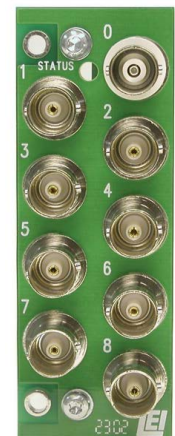
Temperature: 0 $^\circ$ to 50 $^\circ$ C Ambient
Humidity: 10% to 90% non-condensing
Power: 500mW

Mechanical:

Height: 3.2 inches
Width : 1 Inch
Depth: 10 Inches
Weight: 7.1 Ounces

Rear Cell I/O

- 0. Input
- 1. Output
- 2. Output
- 3. Output
- 4. Output
- 5. Output
- 6. Output
- 7. Output
- 8. Output



The manufacture reserves the right to change specifications without notice

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