## CDA-4 and CDA-6

## 375 MHz

Computer Distribution Amplifiers


The all new CDA-4 and -6 are ultra high resolution, ultra high bandwidth $1 \times 4$ and $1 \times 6$ computer distribution amplifiers suitable for applications requiring the highest possible video quality.

The output channels on each unit have cable equalization permiting long cable runs while maintaining excellent signal integrity for even the highest video resolutions.

This means that the signal you feed into the CDA-4 or CDA-6 will arrive at the far end of the cable with an almost immeasurable amount of loss and no distortion due to peaking effects.

Not only do these two units have over 375 MHz of bandwidth but they also have the FSR computer compatible sychronizing circuitry to ensure a rock stable video image at any resolution and signal level. Also chan-nel-channel matching (red vs green/red vs blue) response is extremely flat.

The CDA-4/6 ships with a power supply, and a full width rack mount kit.

## FEATURES

- Minimum 350 MHz of bandwidth fully loaded
- +/- 0.5 dB flatness to 270 MHz
- Advanced sychronizing circuitry
- Connectors for the input and each output
- Full cable equalization control for the output channels
- Compatible with all computer standards


## APPLICATIONS

- Boardrooms
- Houses of Worship
- Control Rooms
- Classrooms
- Staging and Rental


## SPECJFICATIONS

## Video Input

Number/Type:
Impedance:
Output Offset:
Level (nominal):
Level (maximum):
Equalized Video Output
Number/Type:
Connectors:
Bandwidth:

Level (nominal):
Impedance:
Design Cable:
$2 \mathrm{~V} p-\mathrm{p}$

Unity

1 RGBHV, RGBS, RGsB, RsGsBs, component video,S-video, HD - 15 female connector 75 Ohms
+/-20 mv
Analog $0.7 \mathrm{~V} p-p$

4 or 6 RGBHV, RGBS, RGsB, RsGsBs, component video, S-video
4 or 6 HD - 15 female connectors
Supports up to QXGA (2048 x 1536 @ 60Hz) This performance data is based on the CDA-4/6 plus the specified length of WP8255 (West Penn) cable.

150' cable 162 MHz (-3 dB) 0-143 MHz
0.5 dB flatness with a full amplitude
( 0.7 V p-p) signal applied.
150' cable 305 MHz (-3dB) $0-256 \mathrm{MHz}$
$0.5 d B$ flatness with a small amplitude
( $0.2 \mathrm{~V} p-p$ ) signal applied.
75 ohms
West Penn WP8255 or equal
(continued on back)

## FSR Inc.

## SPECIFICATIONS (contd)

## Video Output

## Number/type:

Connectors:
Bandwidth:
Flatness:

Gain:
Impedance:

4 (CDA-4), 6 (CDA-6), RGBHV, RGBS, RGsB, RsGsBs,component video, S-video All female HD - 15
375 MHz @ -3 dB (typical) fully loaded with a $0.7 \mathrm{~V} p-p$ input signal
0.5 dB to 297 MHz (typical) fully loaded with a $0.7 \mathrm{~V} p-p$ input signal
Unity (buffered)
75 Ohms

## Sync

Input level:
Output level:
Delay Time:
Rise \& Fall Time:
Input Impedance:
Output impedance:
Polarity:
Positive or negative
Horizontal frequency: $15 \mathrm{kHz}-200 \mathrm{kHz}$
Vertical frequency: $\quad 50 \mathrm{~Hz}-150 \mathrm{~Hz}$


Response curves of a 150 foot length of West Penn 8255 coax driven with a 0.7 V P-P signal. Notice that by itself, the cable's $-3 d B$ bandwidth is only 17 MHz , but when used with the CDA-4/6, the bandwidth is restored to 162 MHz at the end of the cable.

General
Power:
Enclosure:

120VAC, 50/60 Hz, 9 watts, wall plug-in with locking connector Metal, 8.5"W x $4.75 " D \times 1.62 " H$ (1/2 rack unit) Weight, 1.6 lbs.
Rack mounting kit is supplied.

TYPICAL OF CDA-6




244 Bergen Boulevard, West Paterson, NJ 07424 Phone: 973.785.4347 • Fax: 973.785.4207 Web: www.fsrinc.com • E-mail: sales@fsrinc.com

