



The VIDCO® VDA-300 accepts RGB input and generates four outputs, with greatly extended range from the source.

Video Distribution Amplifier VDA-300

A low-cost, flexible tool for managing your remote display needs.

Video output is everywhere. The trouble is, it's not always where you need it. Whether you require a given video signal to be transmitted over an extended distance, or you simply need to distribute the same video to multiple places, our video distribution amplifier is the perfect answer to your needs.

The VDA-300:

- Accepts RGB signals, including sync-on-green
- Provides four video outputs, including the local loop-thru
- Extends the range of a video signal up to 500 feet (150 meters)
- Offers compatibility with an array of displays and sources
- Provides a compact and reliable solution

Video Distribution Amplifier VDA-300 Specification

The VDA-300 video distribution amplifier is intended for use with RGB video monitors. Four RGB outputs, including one loop-thru output are provided. Additional VDA300 units can be connected, via loop-thru, as needed. The VDA300 will accommodate monitors requiring Sync-on-green or external Sync inputs (Comp Sync or HD & VD). For monitors requiring external Sync, RGB and Comp Sync/HD & VD outputs can be derived from an RGB with Sync-on-green input (Sync can be removed from the green outputs).

Although normally used as a unity gain amplifier, a variable gain control allows compensation for nonstandard input levels and line losses. For cable lengths to 200 feet (60 m), RG59U 75 ohm coaxial cable such as Belden 9259 or equivalent is recommended. RG11 low loss coaxial cable such as Belden 1523A or equivalent is recommended for cable lengths greater than 200 feet/60 m (to 500 feet/150 m).

INPUTS

RGB Video

Input Impedance:

Input Amplitude

Gain Range:

HD/COMP & VD Sync

Input Impedance:

Input Level:

Polarity:

15 Pin High Density D Female (2) - loop-thru

75Ω or High Z, switchable

Composite: 1 Volt p/p, Sync + Video (200 mV Sync minimum) typical

Noncomposite: 700 mV p/p typical

0 to 6.0X

75Ω or High Z, switchable

TTL

Negative going

OUTPUTS

RGB Video

Output Impedance:

Maximum Output

Rise and Fall Time:

Aberrations:

HD/Comp & VD Sync

Output Level:

15 Pin High Density D Female (3)

75Ω

Composite: 2.7 Volts ±100 mV into 75Ω

Noncomposite: 2.2 Volts ±100 mV into 75Ω

<3.5 ns

<5% ringing and overshoot

TTL, negative going

PERFORMANCE

Frequency Response:

Vertical Rate Tilt:

Propagation Delay:

Delay Inequality:

>150 MHz @ -3 db

≤10 mV/ms

≤6 ns

<2 ns

PHYSICAL DIMENSIONS

Size

Weight

Amplifier:

Power Supply:

Amplifier:

Power Supply:

H 1.50" (38 mm) x W 3.12" (80 mm) x D 6.00" (153 mm)

H 1.75" (45 mm) x W 3.40" (86 mm) x D 6.40" (163 mm)

0.3 lbs. (.14 kg)

1.0 lbs. (.45 kg)

POWER

Operating Voltage:

100-240 VAC, 50/60 Hz, 14 watts maximum

