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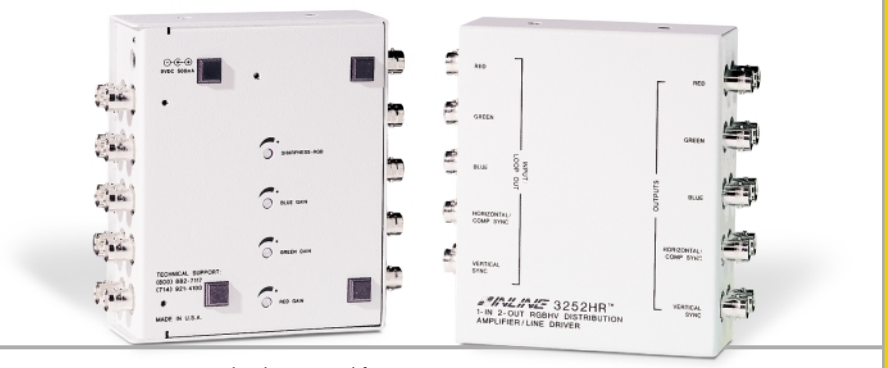
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Find the *INLINE IN3252HR* at our website: *Click HERE*

IN3252HR

RGBHV DISTRIBUTION AMPLIFIER / LINE DRIVER
1–IN, 2–OUT



FEATURES

- **Allows the Signal From One RGBHV Source to Drive Two Displays**
- **500 MHz Bandwidth**
- **BNC Input and Output Connectors**
- **Compatible with RGBHV, RGBS, RGsB, RsGsBs, Component, Y/C, High Resolution Monochrome Video and Composite Video Signals**
- **Loop Output**
  Provides Passive Loop–Through Signal which can Feed Additional Amplifiers to Create a Larger DA System or Drive a Local Monitor
- **Gain Controls**
  Boost Signal Voltage up to 40%
- **Sharpness Control**
- **Metal Case Enclosure**

The **IN3252HR** is a 1–In 2–Out distribution amplifier / line driver designed to amplify and split one RGBHV signal to two data monitors, data projectors, or other RGBHV compatible output devices.

500 MHz Video Bandwidth

The **IN3252HR** offers extremely wide bandpass characteristics, ensuring compatibility with analog video signals at any resolution and refresh rate. While specifically designed for RGBHV signals, the unit may also be used with RGBS, RGsB, component, Y/C and composite video signals such as NTSC, PAL, or SECAM.

Loop Out

A set of five BNC connectors located adjacent to the input connectors provides a High Z passive loop–through signal. This can looped through one or more additional **IN3252HR** amplifiers to create a larger DA system or connected a local monitor.

Line Driver for Long Cables

Capable of increasing signal voltage by up to 40%, the **IN3252HR** also functions as a line driver, allowing video signals to be sent down longer cables than would be possible without amplification and equalization. Actual maximum drive distance depends on the resolution of the video signal and is largely determined by the bandwidth of the cable used for input and output connections. High quality coaxial cables such as the **IN7200-5** Ultra High Resolution 5–Conductor Coaxial cables are recommended for optimum performance on extremely long cable runs.

Gain Controls

Individual Gain Controls for Red, Green and Blue permit gray scale adjustment and also offer signal boost to compensate for video signal amplitude losses caused by lengthy cable runs. Proper gain control adjustment will result in improved image contrast. The controls have an adjustment range of 0.7 (30% decrease) to 1.4 (40% increase).

Sharpness Control

A single control adjusts the sharpness for the RGB output signals. This control can be adjusted to enhance the appearance of high resolution video signals by increasing apparent clarity and boosting the visibility of fine details. The sharpness control also compensates for the high frequency loss occurring in long cables.

Advanced Controls

Internal jumpers on the **IN3252HR** set the RGB input signal termination for 75Ω/High Z and also set the unit for AC or DC coupling.

The **IN3252HR** compact design allows the amplifier to be mounted in a very small space. The unit can be mounted to any convenient flat surface using the optional **IN9128** mounting brackets.

Featuring a durable metal case, the **IN3252HR** is well suited for simulation, medical imaging, industrial, military and commercial applications requiring a compact, rugged, high performance RGBHV amplifier / line driver.

SPECIFICATIONS

INPUT

Connector: 5 BNC female for RGBHV
Video: 1.5 Vp-p max.
Input Termination: 75Ω *(factory default)* or High Z *(unterminated)*
Sync: 0.5 to 5.0 Vp-p

OUTPUT

Connectors: Two sets of 5 female BNC for RGBHV
Loop Output: 5 female BNC for RGBHV
Video: 75Ω
RGB Gain Range: 0.7 to 1.4
Sync: TTL

GENERAL

Bandwidth: 500 MHz @ -3dB
Internal Jumpers: Input Termination 75Ω / High Z; AC / DC Coupling
Power Supply: 9 VDC, 500 mA external adapter included
Power Consumption: 4 Watts
Shipping Weight: 3 lbs. / 1.5 Kg
Product Weight: 1 lb. / .4 Kg
Dimensions: 5.25" x 5.1" x 1.6" / 13.3cm x 13.0cm x 4cm
Included Accessories: IN9204 External Power Adapter
Regulatory Approvals: UL1950, CAN/CSA-22.2 No.950, Third Edition; CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92
MTBF: 120,000 Hours

ORDER INFORMATION

IN3252HR 1-In 2-Out RGBHV Distribution Amplifier / Line Driver — 500 MHz. . . . . .

Distribution Amplifier Accessories *— See Pages 65 & 66*

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