

# IN1503 Component Video to RGB Transcoder



The **IN1503** is a high resolution transcoder that accepts an analog component video signal (R-Y / B-Y / Y) and converts it to RGBS or RGBHV.

**Vital Link to Presentation Displays** - Many DVD players, broadcast grade video players and HDTV tuners feature component video output signals. While most presentation monitors and data projectors are not directly compatible with component video input, many of these displays are compatible with an RGBHV signals at NTSC / PAL scan rates. By transcoding component video signals to RGBS or RGBHV, the **IN1503** makes it possible to take advantage of the highest quality signal available from DVD players, high end video recorders and other industrial / broadcast video equipment featuring analog component video outputs.

**Wide Compatibility** - The **IN1503** is compatible with analog component video signals at NTSC and PAL scan rates. The component video output connectors on industrial and broadcast equipment is often marked as R-Y / B-Y / Y. On DVD players it is usually marked as Y / CB / CR. The **IN1503** is also compatible with HDTV analog component video signals at virtually any resolution. The **IN1503** is not compatible with HDTV devices that output tri-level sync.

**High Bandwidth** - Excellent video bandwidth and dual interlaced / progressive scan compatibility make the **IN1503** an excellent choice for converting the analog component video output of an HDTV tuner to RGBHV for viewing on a scan rate compatible data display. With video bandwidth of 85 MHz, the **IN1503** offers ample performance for HD signals in the 480i, 480p, 720p and 1080i formats. *(Note: Some data monitors and data projectors are not compatible with interlaced video signals at HDTV scan rates).*

**Selectable Output Format** - The output signal format can be set to RGBS or RGBHV as required by the video distribution system and display devices. Output format is selected using a rear panel switch.

**Rack Mountable** - Two **IN1503** transcoders can be rack mounted side-by-side in a 1U rack space using the optional **IN9080** rack shelf. A single **IN1503** can be rack mounted with the **IN9080** rack shelf and the **IN9088B** blank panel.

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## FEATURES

- Converts Analog Component Video Signals to RGBS or RGBHV
- 85MHz Video Bandwidth
- Compatible with Interlaced and Progressive Scan Analog Component Video Input Signals
- Rack Mounts in 1U Space With Optional Rack Shelf

## SPECIFICATIONS

### INPUT:

Connectors: (3) BNC female  
Compatibility: Analog Component Video (R-Y, B-Y, Y)  
Signal Levels: 0.7 / 0.7 / 1.0 V Vp-p typical, 75 Ohm impedance

### OUTPUT:

Connectors: (5) BNC female  
Signal Formats: RGBS or RGBHV (User Selectable)  
Signal Levels: RGB: 0.7 Vp-p Sync: TTL  
Bandwidth: 85 MHz @ -3dB

### GENERAL:

Power Supply: Internal Switch Mode: 90-260 VAC; 47-63 Hz  
Power Consumption: 8 watts  
Shipping Weight: 4 lbs. / 2 Kg Product Weight: 2.2 lb. / 1.0 Kg  
Dimensions: 1.65" x 8.5" x 6" / 4.2cm x 21.6cm x 15.2cm  
Regulatory Approvals: UL1950, CAN/CSA-22.2 No.950, Third Edition  
CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-2