

## VGA to RGB Passive Video Adapter



**#4002910-01: Includes VGA cable**

The Magenta Research VGA to RGB Video Converter converts a VGA separate sync RGBHV video signal into an RGB sync on green video signal (RGsB) by combining the H & V syncs of a VGA signal and putting them on the green channel. Power is taken from the VGA card itself. The converter is a sync combiner, not a scan converter. It will output the same resolution and scan rates that are fed into it, putting the syncs on green.

Perfect for use in a tri-coaxial environment to save on cabling costs with video switches, the VGA to RGB converter can also be used to interface to RGB input display devices.

The VGA to RGB converter features a standard 15HD input connector and BNC coaxial connectors on the output.

No switches to set, adjustments to tweak or power supply required - just plug it in and go. Measuring only 2.9" x 2.13" x 0.65", the VGA to RGB converter is small and compact.

### Technical Information

**Physical size:**

2.9" x 2.13" x 0.65" (74 x 54 x 16mm)

**Weight:**

1.8 ounces (51 grams)

**Connectors:**

Input: HDD 15 male, VGA

Output: 3 x BNC

Electrical: RGB with sync. on green

**Bandwidth:**

145 Mhz (1600 pixels X 1280 pixels,  
75Hz vertical refresh )

**Signal Level:**

Input: VESA 1.0Vpp Video, TTL Syncs

Output: RGB 1.0Vpp - Composite sync on Green -  
235mv

**Temperature/Humidity:**

Operating: 0°C to 40°C / 80% non-condensing

Non-Operating: -20°C to 60°C / 5 to 95% non-  
condensing

**MTBF:** 100,000 Hours