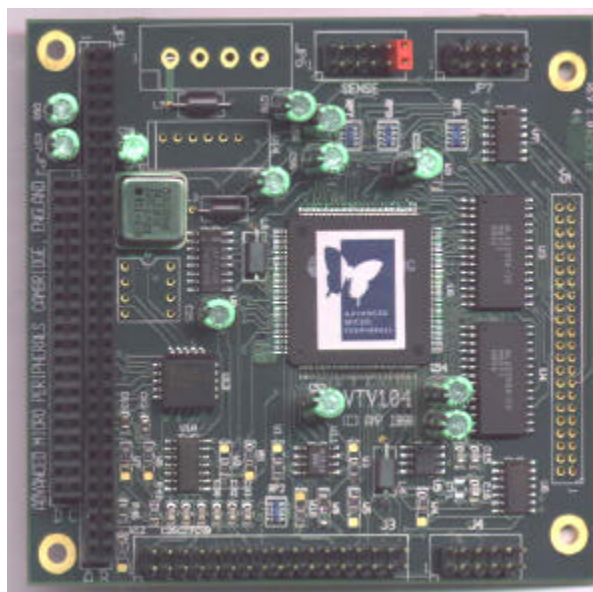


VTV104 VGA-to-TV Converter for PC/104



General Description

AMP's **VTV104** is a scan converter board that accepts non-interlaced VGA data at up to 800x600 resolution from a PC or Macintosh computer for conversion to broadcast-quality NTSC or PAL TV signals. In addition to analogue RGB, 24-bit digital data can be input to maintain the best possible NTSC or PAL output quality. An option also exist to output RS170-compatible RGB colour output. Unlike conventional scan converters, the VTV104 features on-board Frame Store and a DSP unit which performs scan conversion, flicker filtering, scaling and colour-space conversion in the digital domain. The processed video data is sent to the digital video encoder for converting into broadcast-quality composite and S-video signals.

Features

- Converts Computer VGA to PAL/NTSC
- Composite PAL or NTSC output
- Broadcast TV quality
- PAL or NTSC S-video output
- Optional RS170 RGB output
- Supports up to 1024x768 VGA resolution
- Optional 24-bit Digital RGB input
- Simultaneous display display on PC and TV
- Standard PC/104 form factor
- Single +5V power supply

Applications

- Internet Kiosk
- Embedded Multimedia
- Video Surveillance
- RS170 for Military display applications

Ordering Information

VTV104-A/PC -Analogue VGA In, PAL Out
VTV104-A/PN -Analogue VGA In, NTSC Out
VTV104-D/PC -Digital VGA In, PAL Out
VTV104-D/PN -Digital VGA In, NTSC Out
VTV104-A/RS -Analogue VGA In, RS170 Out
VTV104-D/RS -Digital VGA In, RS170 Out