



Hall Research Technologies, Inc.



(800) 959-6439



www.hallresearch.com

INNOVATION

Model VHD-2 VGA to TV / HDTV Scan Converter

With
Composite, S-Video, and Component (YPbPr) Outputs
Linear Pan and Zoom

Features

- ◆ Real time PC to TV/HDTV Scan Converter
- ◆ Outputs HDTV resolutions to 1080i
- ◆ Supports Y Pb Pr (Component) video out to HDTV
- ◆ Converts computer image into NTSC and PAL TV
- ◆ Supports Composite (A/V) and S-Video out
- ◆ Accepts VGA input resolution to 1600x1200
- ◆ Full function infrared remote control
- ◆ OSD (On Screen Display) function for easy operation
- ◆ Supports all IBM® compatible PCs and Laptops with VGA output
- ◆ Plug-n-play (No software required!)
- ◆ Simultaneous display on PC Monitor and HDTV or standard TV
- ◆ Full screen Underscan / Overscan
- ◆ 9-level Adaptive Flicker Control adjustment
- ◆ Supports "Power-Off Pass-Through" function when system is off (Between PC and VGA Monitor)
- ◆ TV/HDTV Brightness, Contrast, and Sharpness control
- ◆ Horizontal and Vertical frequencies detection to adjust picture position
- ◆ Linear Zoom and Pan functions
- ◆ Saves settings during power-off
- ◆ 64 Position Markers to save screen regions after Zooming and Panning for quick recall
- ◆ 1:1 A/D (Analog to Digital) frame rate Sampling



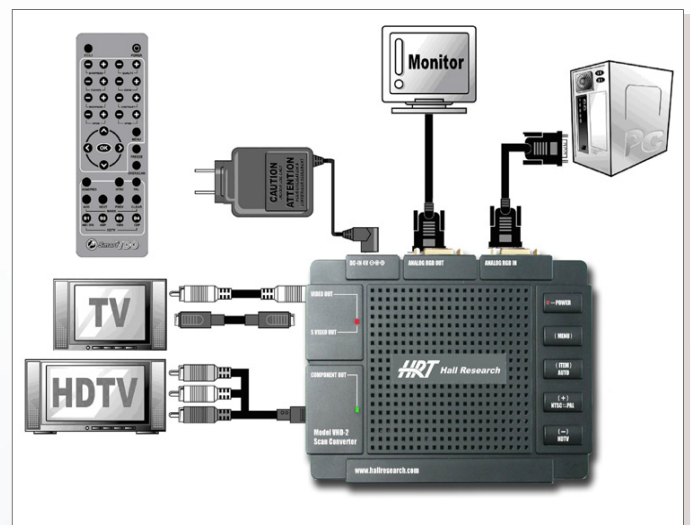
Description

The VHD-2 is a scan converter that converts computer VGA signals to TV (NTSC and PAL) as well as HDTV Component video. It can produce in real-time a clear and flicker-free TV image with 16.7 million-colors. It accepts all PC resolutions up to 1600 x 1200. No software driver is required. The pass-through VGA output allows the user to see the picture on a local computer monitor as well as the TV screen.

Composite Video, S-Video, and Component Video outputs are provided for achieving a sharp picture on any TV monitor.

The VHD-2 can output HDTV formats of 490i, 480p, 1080i, and 720p. It comes with an IR remote that can be used to zoom and pan linearly to any location on the screen. Furthermore, it can save up to 64 Zoom/Pan locations for immediate recall making it ideal for computer training video tape or DVD productions.

Incorporating the latest technologies in scan conversion, it samples the input signal from the PC at full resolution and uses advanced DSP technology to produce high quality TV output signals.



Application Block Diagram

