



Contact:
Andy Liu – SmartASIC Technology, Inc.
+886-2-87977889 x 205 andy@smartasic.com.tw

SmartASIC Expanded 3D Video Processor Product Line with STV110

Taipei, Taiwan – June 17, 2003 – SmartASIC Technology, Inc. today announced adding a new family of high-end video processors, the STV110 family, to its 3D video processor product line that already includes STV102, STV105 and STV108 families. The STV110 processor converts interlaced TV video streams to high-resolution progressive-scan video up to SXGA resolution (1280x1024), and is ideal for LCD TV, TV Tuner Box, PDP TV, and many digital video displays. Integrating SmartASIC's patented picture-in-picture (PIP), motion-based deinterlace and video enhancement technology, the STV110 processor offers an excellent system solution to many digital video displays.

The STV110 processor family includes several members:

- STV110A: providing analog RGB/YUV output through integrated 10-bit DAC for TV Tuner Box
- STV110D: providing 24-bit digital RGB/YUV output for LCD TV
- STV110: providing both analog and digital RGB/YUV output to drive multiple displays

The STV110 processor converts interlaced TV video streams to progressive-scan video employing proprietary motion-based deinterlace, parametric non-linear scaling, noise reduction, and color and edge enhancement. In addition, it performs frame rate conversion to increase the output refresh rate up to 75 Hz progressive or 120 Hz interlaced to eliminate video flicker noise. The STV110 processor also supports movie mode, picture scan, non-linear 16:9 scaling and many other system features.

SmartASIC Technology, Inc., a public IC design company with headquarters in Taipei, Taiwan (stock symbol: 6186), is a leading supplier of digital display solutions. SmartASIC's display solutions are used in LCD monitors, LCD PC, LCD TV and TV Tuner Box made and marketed by Amtran, Avermedia, E-Machines, Hannstar, Proview, Sampo, Sotec, ViewSonic, Zinwell and many others. For more information, go to www.smartasic.com.

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