

SOFTWARE DEVELOPMENT RELEASE NOTE
Live Video Driver Release 3.00.11
For
Windows 95 and DXII & DXIII
5/22/1997

Purpose

This release of all in one live video driver is to fix a bug reported by Compaq, to improve the Bob deinterlacing mode for DVD playback on ViRGE/DX/GX, and to fix other bugs.

Products Supported

All chip families with Stream Processor. The following chips support Bob and Weave: Trio64V2, ViRGE/DX/GX, ViRGE/GX2, and M3/M5.

Bugs Fixed

1. 14912 & 15303: Live video may hang system if window is moved frequently (reported by Compaq.)
2. 15535: Video bandwidth noise at resolution 1024x768x16.
3. DVD board does not work correctly using 16-bit LPB connector.
4. Deinterlacing features (Bob & Weave) do not work correctly on older products like Trio64V+, M1, ViRGE, ViRGE/VX (drivers were fixed to ignore deinterlacing flags for these products.)

New Features

1. The deinterlacing algorithm for Bob mode on ViRGE/DX/GX has been improved to produce more stable, high quality video playback. The occasional "wiggle" in the video has been eliminated or reduced substantially.

Files Changed

1. rfmk2v.drv: makefile, ddsp16.c, lpb.c, k2v.c, rfmk2v.c, mpc.c, s3sp.asm, k2vregs.h, k2v.h, s3sp.inc
2. k2vcaptv.vxd: callvxd2.c, captvini.c, k2vcaptv.c, captvapi.c, k2vcaptv.h, captvini.h, captvapi.h, captv.h, k2vcaptv.vrc
3. tuner32.dll: makefile

New Files

None

Test Recommendations

1. Please test standard Live Video operation on Philips 7110 or BrookTree Bt829 to verify that live video still works correctly (Live Video and Video Capture.)
2. Please test Bob and Weave modes using a DVD board (SGS-Thomson or Chromatic) with ViRGE/DX/GX to verify improved quality of Bob mode. Use the DEISET.EXE utility to select Bob and Weave modes.
3. Please test Bob and Weave modes using a DVD board with GX2 rev. E.
4. If DVD boards are needed for testing, please contact Steve Gibson or Mark Farley.

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