RELEASE NOTES

S3 OS/2 32 Bit Drivers

Release Date: **Feb. 03, 1995**

Version: **2.51**

1.   This is a release of the S3 OS/2 2.51 32 bit drivers supporting the 801/805/805i/928SD/864/964/764/732/868/968 products.

2.   **Product Description**

These drivers support OS/2 2.1, OS/2 2.11, and OS/2 WARP(3.0).

There are 4 sets of driver diskettes. Each support certain chipset as follows:
-    801/805, 805I with 8-bit/16-bit DAC, 928 with ATT DAC.
-    928 chipset with Brooktree 9485 RAMDAC.
-    864 chipset with AT&T 498, AT&T 499, and SDAC RAMDAC and Trio764/732 chipset.
-    964/968 chipset with Brooktree 9485 RAMDAC, TI 3020/25 RAMDAC, and IBM 525/524/514 RAMDAC.

2. The following resolutions are supported:

Mode	Resolution	Memory Required	805I(16) / 864/868 764/732	801/805/ 805I(8)/ 928ATT	964 968
101	640x480x8	1M	√	√	√
103	800x600x8	1M	√	√	√
105	1024x768x8	1M	√	√	√
107	1280x1024x8	2M	√	√	√
207	1152x864x8	2M *	√	√	√
120	1600x1200x8	4M *	√	N/S	√
111	640x480x16	1M	√	√	√
114	800x600x16	2M *	√	√	√
116	1024x768x16	2M	√	√	√
11a	1280x1024x16	4M *	√	N/S	√
212	640x480x24	1M	N/S	112	N/S
112	640x480x32	2M	√	N/S	√
115	800x600x32	4M *	√	N/S	√
118	1024x768x32	4M	√	N/S	√

Notes: N/S   - Not Supported.
1M only - 640x480x24 is supported for 1M memory configuration only, for 2M and above 32bpp will be supported.
864 with 4M config does not support 1024x768x32 mode.

(*)   S3 BIOS supports 1152x864x8 with 1M, S3 OS/2 driver needs 2M of memory
S3 BIOS supports 1600x1200x8 with 2M, S3 OS/2 driver needs 4M of memory.
S3 BIOS supports 800x600x16 with 1M, S3 OS/2 driver need 2M of memory.
S3 BIOS supports 1280x1024x16 with 3M, S3 OS/2 driver needs 4M of memory.
S3 BIOS supports 800x600x32 with 2M, S3 OS/2 driver needs 4M of memory

The 32 bit per pixel driver may need a large swap space on the hard disk.
The recommended swap space is 15 MBytes.

Driver Limitations:

1.   Software Motion Video may require an aperture address setting on local bus systems. If video playback is distorted or displays in the wrong location, add the following line to the CONFIG.SYS file:

        SET VIDEO_APERTURE=XX

where "XX" is the actual aperture address. Contact the system manufacturer for the address.

2.   928Bt, 964 & 968 with external H/W cursor do not support interlace mode.

DOS Sessions and Applications

1.   With the program VPIC6 under FS DOS, GIFs cannot be viewed in the 1280x1024 resolution.

OS/2 Full Screen Sessions and Applications
1.   Context switching from Win-OS/2 full screen to OS/2 full screen may produce a distorted text in OS/2 full screen --
Vision964 ONLY.