

# OPENSTEP for Mach Intel Processors

## Release 4.x

### Display Driver Overview

**Driver:** S3 ViRGE Display Driver

**Driver Overview:** NeXTanswer #2385

**Last Update:** December 18, 1997

### Availability Information

**Newer Released Driver in NeXTanswers\*:** Yes, Version 4.01, as NeXTanswer #2387

**Newer Beta Driver in NeXTanswers\*:** No, Version 0.00, as NeXTanswer #

**Driver Name / Installer .pkg:** S3ViRGEDisplayDriver

**Driver Type:** Display

**Driver Scope:** Generic-Chipset

**Supported Components:**

**PC Bus / Interface Supported by Driver\*\*:** PCI

**General Overview notes:** This driver supports the Number Nine Reality 332 and Diamond Stealth 3D 2000 display adapters. Other S3 ViRGE implementations that adhere to S3's reference BIOS should be supported as well.

**Supported Products / Add-on Adapters:**

Number Nine 9FX Reality 332 PCI Display Adapter

(90-332010-000, 91-332010-000, 91-332013-000)

Diamond Stealth 3D 2000 PCI Display Adapter

**Supported Products / Systems (ie integrated into PC System):**

**Special Features of Driver / Driver Notes:**

The 1152x864 modes listed below are supported only by the Number9 Reality 332 Display Adapter. These modes are not available on the Diamond Stealth 3D 2000, and are not supported on generic S3/ViRGE implementations.

This adapter is not recommended for applications requiring 32 bit color; 32 bit modes will appear dim because the hardware does not implement gamma correction.

This device driver provides information in the Configure application's help panel. Choose Info>Help from the Configure menu and scroll down to find this device driver's help topic.

## Display Driver Details

**Supported Connectors:** 15-pin High Density (VGA)

**Access Mode:** Linear Framebuffer

**Adapter Memory:** 2MB EDO DRAM

**Display Modes (Number in () after resolution indicates frame buffer size required)**

**32 Bit Color Modes\*\*:**

640x480 (2MB+), 800x600 (2MB+)

**16 Bit Color Modes\*\*:**

1024x768 (2MB+), 1152x864 (2MB+), 640x480 (1MB+), 800x600 (1MB+)

**8 Bit Color / Greyscale Modes\*\*:**

1024x768 (1MB+), 1152X864 (1MB+), 1280x1024 (2MB+), 640X480 (1MB+), 800x600 (1MB+)

## Known Problems

## Driver Version Notes

# Future Planning

**Future / Update Planning:**  
**Reason for New Driver / Update:**  
**New Driver / Update Timeframe:**  
  
**New Driver / Update Description:**

**Note:** Information contained in the "Future Planning" section of this document does not constitute a commitment on the part of NeXT to complete the planned development work.

- \* - Any NeXTanswer number that is blank indicates that a driver will not be released for this version of NEXTSTEP.
- \*\* - Indicates information that is inclusive of the entire capability of this driver. Not all devices supported by this driver may include all features listed. Check any available NeXTanswers and the hardware manual for the device for additional information.

## Product Vendor

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