

# NEXTSTEP for Intel Processors Release 3.3

## Display Driver Overview

**Driver:** STB Pegasus

**Driver Overview:** NeXTanswer #1812

**Last Update:** December 18, 1997

## Availability Information

**A version of this driver is on the CDROM**

**Newer Released Driver in NeXTanswers\*:** Yes, Version 3.31, as NeXTanswer #

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

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

**Driver Type:** Display

**Driver Scope:** Product Family

**Supported Components:** AT&T ATT20C505 RAMDAC, Brooktree Bt485A RAMDAC, S3 928

**PC Bus / Interface Supported by Driver\*\*:** VL-Bus

**General Overview notes:** The STB Pegasus-VL graphics driver is designed to support the VL-Bus version of the Pegasus graphics adapter from STB. This card uses the S3-928 graphics controller and supports 1MB, 2MB or 4MB of video frame buffer. This version of the driver only supports 1MB, 2MB or 4MB of VRAM.

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

STB Pegasus (VL-Bus, 4MB VRAM)

STB Pegasus (VL-Bus, 2MB VRAM)

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

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

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 VRAM, 4MB VRAM

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

**32 Bit Color Modes\*\*:**  
1024x768 (4MB+), 640x480 (2MB+), 800x600 (2MB+)

**16 Bit Color Modes\*\*:**  
1024x768 (2MB+), 1152X819 (4MB+), 1280x1024 (4MB+), 1600x1200 (4MB+), 640x480 (1MB+), 800x600 (1MB+)

**8 Bit Color / Greyscale Modes\*\*:**  
1024x768 (1MB+), 1152X819 (1MB+), 1280x1024 (2MB+), 800x600 (1MB+)

## Known Problems

Version 3.31 of this driver is named differently than version 3.30 which shipped on the NEXTSTEP3.3 CD-ROM. Installing the newer version will leave both drivers co-resident, so both versions will be visible in Configure.app. Remove any instances of the older version and replace them with instances of the newer driver.

## Driver Version Notes

- 3.30 - Shipped with NS3.3 - based on interpreted IOVP code
- 3.31 - Total re-write in ObjC - 8 bit color modes added

## 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

STB Systems  
1651 North Glennville, Suit 210  
Richardson, TX 75081  
(214) 234-8750