

# NEXTSTEP for Intel Processors Release 3.3

## Display Driver Overview

**Driver:** Canon object.station41 Display

**Driver Overview:** NeXTanswer #1774

**Last Update:** June 24, 1996

## Availability Information

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

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

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

**Driver Name / Installer .pkg:** CanonObjectstation41DisplayDriver

**Driver Type:** Display

**Driver Scope:** Specific Product

**Supported Components:** Brooktree Bt485 RAMDAC, C&T 64200 (Wingine)

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

**General Overview notes:** This new graphics driver is designed to support the on-board Chips and Technologies Wingine graphics controller on the Canon object.station 41. The graphics subsystem of the object.station 41 was custom designed to operate with NEXTSTEP. The system uses a RAMDAC design modified to support NEXTSTEP's 4-4-4 internal 16bit color representation for improved graphics performance. This design includes 2MB VRAM and supports a variety of high resolution and high color (32bit) modes.

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

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

Canon object.station 41

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

# Display Driver Details

**Supported Connectors:** 15-pin High Density (VGA)  
**Access Mode:** Linear Framebuffer  
**Adapter Memory:** 2MB VRAM

**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+), 1120x832 (2MB+), 1152x900 (2MB+), 800x600 (1MB+)

**8 Bit Color / Greyscale Modes\*\*:**  
1024x768 (1MB+), 1120x832 (1MB+), 1152x900 (1MB+), 1280x1024 (2MB+)

## Known Problems

1024x768x72Hz 16-bit color mode is unstable on some Object.station computers.

## 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

Canon

USA toll-free phone sales and information: +1 (800) 349 6007  
USA toll-free phone technical support: +1 (800) 830 1062  
Canon FactsLine [fax-back service]: +1 (800) 526 4345  
WWW: [http://digifix.digifix.com/Developers/Canon\\_Computer\\_Systems.html#index.html](http://digifix.digifix.com/Developers/Canon_Computer_Systems.html#index.html)