

# NEXTSTEP for Intel Processors

**Title:** Genoa VideoBlitz 9200VL Video Adapter  
**Entry Number:** 1560  
**Last Updated:** <<Date June 17, 1997>>

**Product Vendor:**  
Genoa Systems Corporation  
75 East Trumbull Rd.  
San Jose, CA 95131  
USA

+1 (408) 432 9090 international phone  
+1 (408) 432 8324 technical support line

**Keywords:** Genoa, Weitek, VideoBlitz, VLB

## Usage Commentary

The Genoa VideoBlitz 9200VL displays up to 800x600 32-bit color graphics, 1152 x 900 16 bit color graphics, or 1600 x 1200 8 bit greyscale graphics using the Weitek Power 9000 driver under NEXTSTEP 3.2. NEXTSTEP supports the VESA LocalBus version of this card, with up to 2 MB of VRAM.

The Weitek Power 9000 device driver is available from NeXTanswers via anonymous FTP (ftp.next.com) or email (nextanswers@next.com). Request document numbers 1558, "WeitekP9000Driver.pkg.compressed," and 1557, "WeitekP9000Driver.ReadMe.rtf." Please note that you must be running NEXTSTEP 3.2 in order to use this driver.

### Genoa VideoBlitz 9200VL Display Adapter Display Modes (ATT20C 505-13 (135MHz) RAMDAC)

| 8-bit Grayscale  | 16-bit Color     | 32-bit Color     |
|------------------|------------------|------------------|
| 800x600 1MB VRAM | 800x600 1MB VRAM | 640x480 2MB VRAM |

|   |   |                                       |
|---|---|---------------------------------------|
| 56, 60, 72, or 75 Hz                          | 56, 60, 72, or 75 Hz                          | 60, 72, or 75 Hz                      |
| 1024x768 1MB VRAM<br>60, 70, 72, 75, or 80 Hz | 1024x768 2MB VRAM<br>60, 70, 72, 75, or 80 Hz | 800x600 2MB VRAM<br>56, 60, 72, 75 Hz |
| 1280x1024 2MB VRAM<br>60, 72, 74, 75 Hz       | 1152x900 2MB VRAM<br>60 or 70 Hz              |                                       |
| 1600x1200 2MB VRAM<br>60 Hz                   |   |                                       |
| 1152x900 1MB VRAM<br>60, 70, 72, or 74 Hz     |   |                                       |

# Setup and Installation

The NEXTSTEP driver automatically sets all of the necessary parameters as specified in Configure.

In Configure, the 'width' and `height' parameters are the width and height of the display in pixels. The `refresh' parameter is the refresh rate of the monitor in Hz. The `colorspace' parameter is of the form `BW:x' where `x' is the number of bits/pixel, or `RGB:xyz/w' where 'x', 'y', and 'z' are the number of bits/component and `w' is the number of bits/pixel.

## Supported Displays

NeXT designs and tests its display adapter device drivers using displays that can support display modes with very high resolutions and non-interlaced refresh rates, such as the NEC 5FG, NEC 6FG, and Nokia Multigraph `445X. Read the owner's guide that comes with your display to ensure it can support the display mode you set in Configure.

**Warning:** Some vendors claim that you can use their display adpaters at display modes with resolutions and refresh rates that exceed what their RAMDACs can support. You can permanently damage your display adapter and computer by doing this. Read the owner's guide that comes with your display adapter or contact its manufacturer to ensure that your adapter's RAMDAC can support the display mode you set in Configure.

## Known Problems

- This card is not supported under SoftPC full-screen mode.