

# Dynamite™ 128/Video

## 128-Bit Graphics and Multimedia Accelerator

- 128-bit ET6000 Graphics & Multimedia Engine
- New "Faster than VRAM" Synchronous Multibank DRAM
- Driver support for Windows 95, Windows 3.11, OS/2 Warp 3.0, Windows NT 3.51, AutoCAD
- The world's fastest DOS games performance
- Screen resolution up to 1280x1024 with 256 colors
- SuperStable™ refresh rates up to 120Hz
- VESA DPMS, DDC 1, DDC 2B support for Plug-and-Play operation
- Digital video playback with software MPEG



Model D5202

The Hercules Dynamite 128/Video is a breakthrough in PC multimedia technology offering a major increase in performance at substantially lower cost by combining state-of-the-art Tseng Labs ET6000 controller technology with the industry's first Synchronous Multibank DRAM. These new technologies combine with Hercules' advanced hardware and software to provide new standards in price/performance.

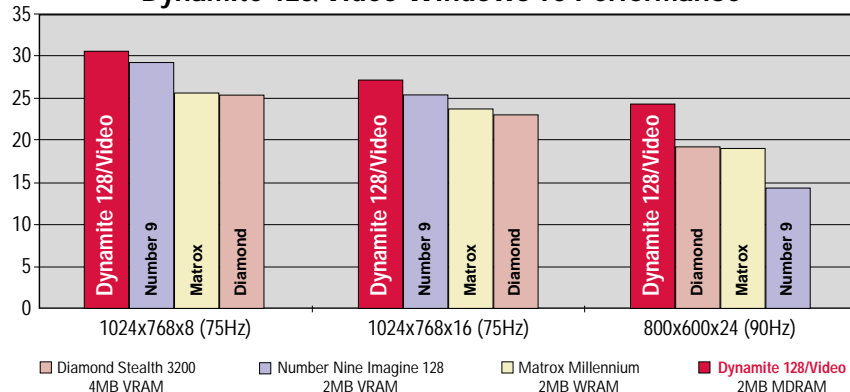
### New, State-of-the-Art Hardware Design

The Hercules Dynamite 128/Video provides peak bandwidth approaching speeds of one gigabyte per second, almost 250 times that of more conventional VRAM designs. Its dual channel design provides true 128 bit performance with only 2 megabytes of memory while other designs require 4 megabytes to achieve similar performance. Four megabyte performance from a two megabyte configuration means greater performance at a lower price. Additionally, because the Dynamite 128/Video uses the latest Synchronous Multibank DRAM, one full megabyte of memory is packed into one chip providing better hardware design as well as substantially increased performance and reliability. Finally, access times are quick up to 5 times quicker than conventional DRAM and up to 2.5 times faster than similarly configured VRAM systems. By internally overlapping fast-address and I/O cycles of varying banks, Synchronous MDRAM achieves a mere 6 nano-seconds access time with up to 500 megabytes peak throughput per channel.

### New, State-of-the-Art Driver Design & Multimedia Bonanza

Every Hercules Dynamite 128/Video runs with the Hercules Power Drive Windows '95 driver. Independent tests have confirmed that Power Drive enhances performance up to 30% beyond that of conventional drivers. The Dynamite 128/Video's feature set and GUI acceleration is enhanced with full digital video and software MPEG acceleration which includes color space conversion as well as horizontal and vertical scaling and filtering. Completely compatible with Microsoft Direct X, the Hercules Dynamite 128/Video accelerates both AVI and MPEG files.

Dynamite 128/Video Windows 95 Performance



All Windows 95 tests performed by Hercules Computer Technology using Ziff-Davis WinBench 96, version 1.0. All test scores reflect Overall Graphics WinMarks in each respective resolution, color depth, and refresh rate. All cards tested on a Midwest Micro Pentium 133 configured with 16MB EDO RAM, 256k pipeline burst cache, and a Maxtor 71626 hard drive. The Hercules Dynamite 128/Video was tested using ET6POWER.DRV, dated 5/17/96. The Number Nine Imagine 128 was tested using I128.DRV, dated 4/1/96. The Matrox Millennium was tested using MGAPDX64.DRV, dated 4/11/96. The Diamond Stealth 3200 was tested using DDOM95.DRV, dated 5/1/96.



#1 Graphite Terminator 64/DRAM 6/95 & 7/95 & 8/95

#1 Dynamite Pro VL  
#2 Dynamite Pro ISA  
March 1994



2/94 Graphite Card



7/93 Graphite Card



6/28/93 Graphite VL



11/94 Stingray  
Empfehlung der  
Redaktion



Testsieger 12/94  
Graphite  
Terminator64/VLB



8/94 Stingray



Stingray 64/Video  
12/95



Stingray 64/Video  
7/95

To accelerate your system into the world of Multimedia, Hercules provides the exclusive Touch 95 utility system. Touch 95 gives you the power to quickly and easily customize and personalize your desktop. Simply point and click to see exactly what you want to see, exactly the way you want to see it.

To totally integrate audio and video capabilities, Hercules provides the Entertainment Center. This revolutionary multimedia tool makes PC audio and video capabilities easy and fun. The powerful yet simple to use multimedia console makes controlling and integrating advanced technologies as simple as operating your VCR and CD player. It is like having a CD and a VCR on your screen, and you can control and integrate them with a point and a click. This unique, customizable consumer electronics-style control panel lets you manipulate AVI, MPEG, MIDI and Wave files. These extraordinary tools are available from no other technology provider. Unleash the power of your Multimedia system with the power of Hercules.

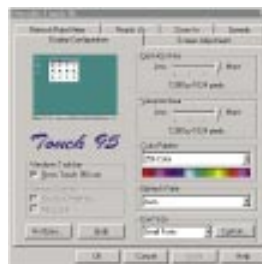
## Multimedia Power Tools

### Hercules Entertainment Center™



This all-new multimedia application gives you a familiar consumer electronics component-style control center that allows you to fully customize all your multimedia applications. Instantly catalog, locate and play MIDI, Wave, and Video files. Play audio CDs, VideoCD and CD-I features. Build track catalogs and perform sophisticated playback programming.

### Hercules Touch 95™



A fully integrated utility suite that seamlessly integrates into Windows 95. It features a flexible, customizable virtual desktop, sophisticated monitor adjustment tools for independently selecting resolutions, refresh rates, adjusting image size or position, and zoom magnifying your screen to work up to 8x!

#### Multimedia Acceleration Features

- ◆ Accelerates playback of DirectDraw and DirectVideo compatible codecs including MPEG, Indeo Video Interactive, Cinepak, TrueMotion-S and QuickTime.
- ◆ Hardware accelerated color space conversion, scaling (both horizontal and vertical interpolation) and filtering.
- ◆ Color key support for advanced video codecs like Intel Indeo Video Interactive.

#### Graphics Acceleration Features

- ◆ Complete GUI engine for lightning fast Windows 95 redraws and scrolling.
- ◆ The world's fastest DOS games performance

#### Software Drivers

- ◆ Hercules Power Drive Windows 95 drivers with DirectDraw and DirectVideo support
- ◆ Windows 3.11
- ◆ Windows NT 3.51
- ◆ OS/2 Warp 3.0
- ◆ AutoCAD

#### XingMPEG Player

A sophisticated application program perfect for watching your favorite clips and VideoCD movies. Play full-screen, full-motion, full color video performances. Advanced features include zoom, volume control, file information and frame capture.

#### Refresh Rates

Accelerated Resolution	Colors	Maximum Refresh Rates*
1280x1024	256	75Hz
1024x768	65,536	90Hz
	256	90Hz
800x600	16.7M	90Hz
	65,536	90Hz
	256	120Hz
640x480	16.7M	120Hz
	65,536	120Hz
	256	120Hz

### Total Support

- ◆ Tech Support 510-623-6050
- ◆ Toll-free Tech Support 800-323-0601
- ◆ Toll-free fax-back 800-711-HERC
- ◆ Internet: sales@hercules.com
- ◆ Internet: support@hercules.com
- ◆ WWW: http://www.hercules.com
- ◆ FTP: ftp://ftp.hercules.com
- ◆ CompuServe: GO HERCULES



800-532-0600



\* Refresh rates listed are the maximum values that can be achieved with monitors operating at compatible horizontal frequencies. Resolution, pixel depth and refresh rates are driver dependent and may not be available in all applications or operating systems. © 1995-96 Hercules Computer Technology, Inc., 3839 Spinnaker Court, Fremont, CA 94538. Hercules is a registered trademark and Hercules Dynamite, SuperStable, Touch 95, and Hercules Entertainment Center are all trademarks of Hercules Computer Technology, Inc. All other product names are trademarks of their respective holders. The ENERGY STAR™ ALLY emblem does not represent EPA endorsement of any product or service. Specifications are subject to change without notice. DYN128VSPEC Ver. 1.25 6/96