3Dlabs.

Wildcat VP ® Pro

Tackle those big projects with record-breaking 512 MB of memory
Deal with any application with on-board programmability

Take on any project with a 3Dlabs® Wildcat® VP990 Pro or Wildcat VP880 Pro. You'll get huge amounts of graphics memory to handle large data sets without sacrificing the legendary performance, reliability, and cinematic rendering of the Wildcat line.
- Wildcat VP990 Pro offers **512 MB** of graphics memory – the **most** memory you'll find on any graphics card today
- Wildcat VP880 Pro offers **256 MB** of graphics memory – to drive larger, complex projects

Plus, Wildcat VP's "Visual Processing Architecture" with advanced graphics programmability keeps you prepared for anything your design applications may throw your way.

More Memory, More Flexibility

Got a big project that needs a lot of graphics power? Wildcat VP990 Pro offers the most graphics memory of any card available today. When you still need power and reliability, but your memory requirements are less, the Wildcat VP880 Pro offers a solid 256 MB of memory. Just take your pick!

Heavy-duty Visual Processing Power

Wildcat VPs use innovative Visual Processing Architecture to integrate over 200 32-bit processors into a single Visual Processing Unit (VPU). The Wildcat VPU pumps out 200 Gflops and 1.2 TeraOps of programmable power for enhanced speed and performance. And it's all under your control.

More Visual Real Estate

If you need more visual real estate, just plug in another display! The Wildcat VP Pro series can drive two independent, high-resolution digital or analog displays (with adapters). Plus, you get 10-bit DACs that give you flawless color and display quality.

Designed by Professionals for Professionals

3Dlabs is the only PC Workstation graphics company solely focused on designing professional-grade accelerators for professional designers. We make sure your drivers are reliable, your card is sound, and your investment is certified to run on leading CAD and DCC applications.

Extra Memory for 9 Megapixel Displays

It takes more than 128 MB of graphics memory just to effectively drive the new 9 megapixel displays. Sure, some graphics card vendors claim they can handle that, but where's the memory to handle textures or the color depth you need? The Wildcat VP Pro series gives you up to 384 extra megabytes of memory for your demanding applications, so you don't have to compromise speed or realistic rendering.

Powerful Programmability

The Wildcat VP line provides complete programmability so you can update your graphics card when emerging and future technologies hit the streets. You'll be able to take advantage of software improvements when they happen and continue to extend the boundaries of interactive visual realism.

The larger the model, or the more complex the textures, the more you need Wildcat.

Wildcat VP Pro

Evolutionary Wildcat VP Visual Processing Unit (VPU)
- Over 200 32-bit processors dedicated to graphics processing
- 256-bit DDR memory interface, 200 Gflops, and 1.2 TeraOps of processing power to enhance speed and performance
- Dual 370 MHz, 10-bit RAMDACs for flawless color and quality display

High-Level Programming Architecture is programmable for future CAD and DCC application advancements following evolving industry standards

Geometry Processing
- 16 dedicated 32-bit floating-point geometry processors
- Flexible surface and vertex processing
- 16 lights accelerated in hardware
- 32-bit Z-buffer minimizes the annoying flicker of triangle transposition

Texture Processor
- 128 dedicated 32-bit floating-point texture processors
- Up to eight simultaneous textures in a single pass
- Programmable texture formats and filters for maximum texture flexibility

Pixel Processing
- 64 dedicated 32-bit integer pixel processors
- Programmable antialiasing supporting a wide range of antialiasing options
- Up to eight multi-samples in a single pass
- Programmable image processing and compositing

Virtual Memory Architecture
- Memory stored as L2 cache for faster access to frequently used data
- Seamless handling of large datasets – even when they exceed the card memory limits
- Designed for optimal buffer download performance
- Automatically pages out unused buffers for maximum efficiency

Drivers
- Windows® XP/Windows 2000
- OpenGL® with shader extensions
- DirectX® 8.1 with vertex shader 1.1 and pixel shader 1.2
- Prototype OpenGL 2.0 drivers

Flexible Dual Display
- Full 2D and 3D acceleration on two displays
- Double buffered hardware overlays
- Two analog displays (2 DVI-VGA adapters incl.) *or*
- One analog and one digital display *or*
- Two digital displays

High-Quality Video Processing
- Hardware color-space conversion
- Native support for YUV422 video (YUY2 and UYVY)
- High-quality up/down scaling

Display Connectors
- (2) DVI–I connectors - digital and analog output
- 3-pin mini-DIN stereo sync output
- DDC1/2b/2b+ support
- VESA display power management

Package Contents
- Wildcat VP professional graphics accelerator
- Installation Guide
- (2) DVI-VGA adapters
- Driver CD
- Bonus Applications
- Virtual desktop manger

32-bit True Color Display Resolutions

Resolution	Analog Refresh Hz	Digital Refresh Hz
640x480	200	60/75/85
800x600	200	60/75/85
1024x768	200	60/75/85
1152x864	200	60/75/85
1280x960	120	60/75/85
1280x1024	120	60/75/85
1600x1200	120	60
1920x1080	120	60
1920x1200	100	60
1920x1440	90	
2048x1536	80	
2048x2048	60	

This list is only a sample of those available. These values are maximums and may not be achieved under all operating conditions.

Optimized for Leading Professional Applications

- Alias|Wavefront - Maya, Studio Tools
- Alibre - Alibre Design
- Autodesk - AutoCAD, Inventor
- Bentley - Microstation
- Caligari - trueSpace
- ColCreate - One Space Designer
- Dassault - CATIA, SolidWorks
- Discreet - 3ds max, combustion
- EDS - I-deas. SolidEdge, Unigraphics
- NewTek - LightWave
- PTC - Pro/ENGINEER, CDRS
- Side Effects - Houdini
- Softimage - SOFTIMAGE|XSI, SOFTIMAGE|DS

System Requirements
- Pentium, Athlon or compatible processor
- Windows XP/2000
- AGP 1x/2x/4x/8x Slot
- 64 MB System Memory
- 16 MB Free Disk Space

Support
- Three year limited warranty
- Phone hotline, e-mail and WebForum

Product	Memory	Display	Performance	Value	Segment	Summary
Wildcat VP990 Pro	512 MB 256-bit DDR	Independent Dual-head	225M Vertices/sec 42G AA Samples/sec	Record Breaking Memory AND Ultimate Visual Processing Performance	CAD, DCC Visualization Simulation	Wildcat VP990 Pro offers a record-breaking 512 MB of on-board graphics memory. Designed to deal with any application, the Wildcat VP990 Pro with advanced programmability, provides industry-leading performance, reliability, and cinematic rendering.
Wildcat VP880 Pro	256 MB 256-bit DDR	Independent Dual-head	188M Vertices/sec 35G AA Samples/sec	Powerful, Versatile Visual Processing Performance	CAD, DCC Visualization Simulation	The powerful Wildcat VP880 Pro, teamed with 256 MB of graphics memory, maximizes your application's performance with advanced programmability and industry-leading performance, reliability, and cinematic rendering.

Peak performance figures are provided for relative geometry and texture performance purposes.