

# 3000XL

## Stealth 3D

### Professional VRAM Graphics, Video & 3D!

- **Windows® Acceleration**
- **High Resolutions & Refresh Rates**
- **Full-Screen MPEG Video Playback**
- **Professional 3D Graphics**

Get the most from your PC—from business applications to Internet and desktop publishing to games to CAD—with the Stealth 3D 3000 series media accelerator. The Stealth 3D provides blazing-fast 2D graphics, a professional 3D rendering engine and video acceleration, dramatically enhancing overall system and application performance in a variety of operating

environments, including Windows® 95, Windows NT® 4.0 and 3.51 and Windows 3.1x. Combining dual-ported VRAM technology with 64-bit graphics, a fast 220MHz RAMDAC, quality video scaling and realistic 3D support, the Stealth 3D offers the power, resolution and dimension needed for today's demanding desktop multimedia applications.

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## Professional VRAM Graphics, Video & 3D!

### MAXIMIZE YOUR PC PERFORMANCE

Windows® 95 - WinBench® 97 comparison in 16-bit color

**DIAMOND Stealth 3D 3000** \* Measured in WinMarks™ **60.4**

#9 Imagine 128 Series 2 **56.2**

MATROX MGA Millennium™ **51.5**

Windows® NT 4.0 - WinBench® 97 comparison in 24-bit color

**DIAMOND Stealth 3D 3000** \* Measured in WinMarks™ **33.2**

MATROX MGA Millennium™ **27.3**

#9 Imagine 128 Series 2™ **26.2**

Stealth 3D is packed with features, delivering more 3D hardware capabilities than other products in its class.

| Hardware Features      | Stealth 3D | MATROX MGA Millennium | STB LIGHTSPEED 128 |
|------------------------|------------|-----------------------|--------------------|
| Gouraud Shading        | •          | •                     | NONE               |
| Perspective Correction | •          | NONE                  | NONE               |
| Alpha Blending         | •          | NONE                  | NONE               |
| Mip Mapping            | •          | NONE                  | NONE               |
| Bilinear Filtering     | •          | NONE                  | NONE               |
| Z-Buffering            | •          | •                     | NONE               |

### ENTER THE NEXT DIMENSION WITH 3D

Stealth 3D supports ergonomic high-refresh monitor rates and is compliant with EnergyStar™.

| Monitor | Resolution | Colors | Refresh Rates In Hz |     |     |     |     |     |    |     |     |     |     |     |  |
|---------|------------|--------|---------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|--|
|         |            |        | 43i                 | 56  | 60  | 70  | 72  | 75  | 80 | 85  | 100 | 120 | 160 |     |  |
| 14"     | 640x480    | 256    |                     |     | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB | 2MB |     |  |
|         |            | 65k    |                     |     | 2MB | 2MB | 2MB | 2MB |    |     | 2MB | 2MB | 2MB | 2MB |  |
|         |            | 16m    |                     |     | 2MB | 2MB | 2MB | 2MB |    |     | 2MB | 2MB | 2MB | 2MB |  |
| 15"     | 800x600    | 256    |                     | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB | 2MB |     |  |
|         |            | 65k    |                     | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB | 2MB |     |  |
|         |            | 16m    |                     | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB | 2MB |     |  |
| 17"     | 1024x768   | 256    | 2MB                 | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB |     |     |  |
|         |            | 65k    | 2MB                 | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB | 2MB |     |     |  |
|         |            | 16m    | 4MB                 | 4MB | 4MB | 4MB | 4MB |     |    | 4MB | 4MB | 4MB |     |     |  |
| 19"     | 1152x864   | 256    |                     | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB |     |     |     |  |
|         |            | 65k    |                     | 4MB | 4MB | 4MB | 4MB |     |    | 4MB | 4MB |     |     |     |  |
|         |            | 16m    |                     | 4MB | 4MB | 4MB | 4MB |     |    | 4MB | 4MB |     |     |     |  |
| 19"     | 1280x1024  | 256    | 2MB                 | 2MB | 2MB | 2MB | 2MB |     |    | 2MB | 2MB |     |     |     |  |
|         |            | 65k    | 4MB                 | 4MB | 4MB | 4MB | 4MB |     |    | 4MB | 4MB |     |     |     |  |
|         |            | 16m    | 4MB                 | 4MB | 4MB | 4MB | 4MB |     |    | 4MB | 4MB |     |     |     |  |
| 19"     | 1600x1200  | 256    | 2MB                 | 2MB | 2MB | 2MB | 2MB |     |    |     |     |     |     |     |  |
|         |            | 65k    | 4MB                 | 4MB | 4MB | 4MB | 4MB |     |    |     |     |     |     |     |  |

Drivers for all modes may not be provided. 2MB=2 Megabyte VRAM; 4MB=4 Megabyte VRAM

### SOFTWARE INCLUDED

**DESCENT™ II - Destination Quartzon**  
This award-winning sequel with 8 levels of action takes you and a guide-bot sidekick deep into space to rescue hostages and battle deadly enemies.

**ASYMETRIX™ -3D F/X**  
3D F/X adds a third dimension to your presentations, multimedia productions and just for fun.

**Compton's Interactive Encyclopedia™ 1996** A complete 26-volume encyclopedia with over 7,000 images, and 100 video clips, 3-D animations and presentations.

### PRODUCT SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| <b>Controller:</b>                | <b>Minimum System Configuration:</b>                                  |
| • 53 VIRGE-VX                     | • Intel 486 or compatible CPU   |
| • 64-bit                          | • PCI 2.1 compliant motherboard                                       |
| <b>Bus Type:</b>                  | • MS-DOS 5.0 or later   |
| • PCI 2.1 compliant               | <b>Recommended System Configuration:</b>                              |
| <b>Memory:</b>                    | • Pentium-Class Processor, with PCI System Bus                        |
| • 2MB VRAM expandable to 4MB VRAM | • 8MB or More System Memory   |
| • 4MB VRAM                        | <b>Software Drivers Available:</b>                                    |
| <b>Horizontal Sync Signals:</b>   | • Windows®95  |
| • 31.5kHz-106kHz                  | • Windows®3.1x  |
| <b>Vertical Refresh:</b>          | • Windows NT™ 3.51 & 4.0,   |
| • 43.5Hz-160Hz                    | • AutoCAD   |
| <b>Maximum Dot Rate:</b>          | • MicroStation  |
| • 220MHz                          | Also, software MPEG playback drivers for Windows 95 and Windows 3.1x. |
| <b>Connectors:</b>                |   |
| • DB-15 with DDC support          |   |
| • VESA 26-pin header              |   |

### STRONG INDUSTRY SUPPORT



These logos identify a new class of applications designed to take advantage of Stealth 3D graphics. Look for Stealth 3D and S3d™ logos on games, graphics programs and Internet browsers. For a complete catalog of these products, check out our web site at <http://www.diamondmm.com>.

### BUILT TO LAST

**Warranty and Service:** Diamond's Stealth 3D is backed by a five-year parts and labor warranty upon registration. Technical assistance is available six days a week by phone and through our 24-hour BBS. Diamond also maintains an Internet Web Server and FTP site.

\* Benchmark scores based on in-house testing using Ziff-Davis' WinBench 97 Version 1.0 Business Graphics WinMark 97 on a Micronics M55Hi+ Pentium 200 MHz CPU under Windows 95; and the High-End Graphics WinMark 97 on a Micronics M6Mi Pentium Pro 200 MHz CPU under Windows NT 4.0. Both systems were configured with 512 cache, 32MB EDO DRAM and a 1.6 GB IDE hard disk. The Stealth 3D 3000, #9 Imagine 128 Series 2, & Matrox MGA Millennium were tested with Windows 95 driver 4.04.00.2104, 2.25, & 3.18.045, Windows NT 4.0 driver 2.01, 4.102.11, & BIOS version 2.01, 3.0103, & 1.9 respectively. All cards had 4MB memory. All tests run with at 1024x768 at 75Hz with small fonts. All trade names referenced are the service mark, trademark, or registered trademarks of their respective manufacturers. Diamond reserves the right to change specifications without notice. FCC Class B certified for home use. Copyright 1996 ©Diamond Multimedia Systems, Inc. Printed in USA. STL 3D 3000 SPEC 130 1-97

**DIAMOND**  
MULTIMEDIA

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VISUAL SYSTEMS DIVISION