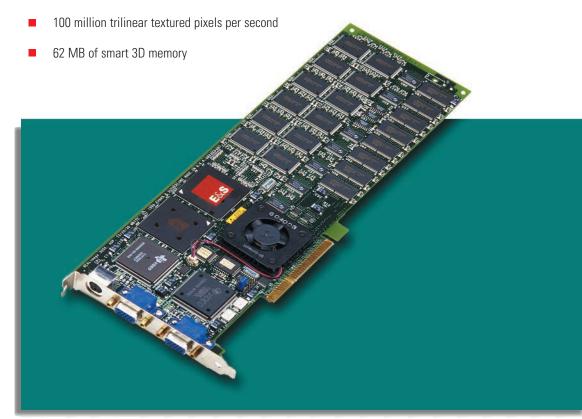


E&S Tornado 3000°

Full-Featured, High Performance 3D Solution for Creative Professionals

- DYNAMICgeometry[™] for scalable performance
- REALimage™ 3000 technology
- Dual screens at true color
- Support for stereo viewing
- Up to 1920 x 1200 resolution at true color
- Highest quality, full-speed antialiasing and transparency
- Up to 5 million triangles per second



3D with a REAL difference™



E&S Tornado 3000°

E&S Tornado 3000™ Specifications

GRAPHIC FEATURES AVAILABLE SIMULTANEOUSLY

- · Gouraud shading
- Alpha blending for transparency
- High-quality antialiasing
- Texture:
 - Bilinear, trilinear filtering
 - Perspective correction
 - MIP mapping
- · Per pixel depth cueing
- Transparency, fog, overlays, and stencils

SOFTWARE SUPPORT

- OpenGL[®]
- Microsoft Windows NT® 4.0
- DX 6 on Windows 2000

GRAPHICS PERFORMANCE^{1,2}

3D vectors³
 5M per second
 3D triangles⁴
 Texture fill rate
 100M pixels/sec

HARDWARE FEATURES

- E&S REALimage[™] 3000 technology
- Built-in VGA support
- · 8-bit, double-buffered overlay or alpha
- Stencil planes (4-bit)
- Window IDs (4-bit)
- AGP 2X interface

1 All performance rates are with 1280 x 1024 resolution @85Hz, and 24-bit truecolo

Performance may vary by CPU and bus implementation.
 3 3D vectors are 10 pixels, antialiased with 16-subpixel positioning accuracy
 4 3D triangles are Gouraud-shaded, textured, alpha-blended, and Z-buffered.

Evans & Sutherland
US: 1-408-546-2100
Europe: +44-1905-726782
Japan: +81-3-5325-3077
All Others: 1-408-546-2100

TOTAL MEMORY

- 30MB 3DRAM (frame & local buffer)
- 32MB CDRAM (texture)

SYSTEM REQUIRMENTS

- 100% IBM-compatible PC with an Intel Pentium[®]III or Pentium[®]III processor
- One available AGP slot (may require one adjacent PCI slot to guarantee power availability)
- Power consumption <38W

SERVICE AND SUPPORT

- High-quality technical support via a select group of VARs and system manufacturers
- Direct support line
- Web site for access to software driver updates and technical support

COMPATIBILITY

UL 1950. Certified FCC Class B.
 CE Mark

WARRANTY

• Three years (parts and labor)

SUPPORTED DISPLAY MODES

Single-screen modes

Single-screen modes								
Resolution	Color Depth	Z-buffer	Texture Memory	Refresh Rate Hz				
640 x 480	24-bit	24-bit	32 MB	72, 75, 85, 120				
800 x 600	24-bit	24-bit	32 MB	60, 75, 85, 120				
1024 x 768	24-bit	24-bit	32 MB	60, 75, 85, 120				
1280 x 1024	24-bit	24-bit	32 MB	60, 75, 85, 120				
1600 x 1024	24-bit	24-bit	32 MB	60, 85				
1600 x 1200	24-bit	24-bit	32 MB	60, 85				
1920 x 1080	24-bit	24-bit	32 MB	72				
1920 x 1200	24-bit	24-bit	32 MB	76				

Stereo modes

nesolution	Color Depth	Z-bullet	rexture intelliory	nellesii nate nz
1024 x 768	24-bit	24-bit	32 MB	120 (60 Hz per screen)
1280 x 1024	24-bit	24-bit	32 MB	120 (60 Hz per screen)

Dual-screen modes

Buai coroni incuco							
Resolution	Color Depth	Z-buffer	Texture Memory	Refresh Rate Hz			
2048 x 768	24-bit	24-bit	32 MB	60, 75, 85, 120			
(1024 x 768 per scr	reen)						
2560 x 1024	24-bit	24-bit	32 MB	60, 75, 85			
(1280 x 1024 per si	creen)						

For more information, visit our website at www.es.com/wg.