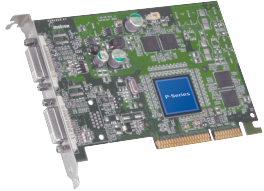


matrox Millennium P-Series

multiply your productivity



The Matrox Millennium P-Series is designed to take productivity to new levels by combining advanced multi-display support with pristine image quality and superior reliability. Leveraging Matrox's long-standing multi-display leadership and technology derived from the Matrox Parhelia Series, these 64 MB, AGP 8X graphics boards are the ultimate extension to the Millennium G-Series product line, which is renowned for stability and quality for corporate users. The growing popularity of space-saving flat panel technology ushers in a new era of multi-display, where both desk space and Windows® desktop space can be simultaneously maximized. The Millennium P-Series offers the most powerful, flexible and productive multi-panel desktop support in the industry featuring dual-DVI, dual-RGB and, unique to Matrox, TripleHead, Dual-Display plus TV-output and support for dual hardware overlays.

matrox Millennium P650

Setting a new corporate standard with advanced DualHead® support

The Matrox Millennium P650 is the ideal solution for enhancing corporate productivity while minimizing downtime. Featuring fully-symmetric dual-display outputs including dual-DVI, this graphics solution provides a high return on investment by multiplying your productivity, be it for corporate or professional use. Offering a fan-less design and rock-solid drivers, the Millennium P650 also provides the excellent reliability that IT managers expect.



matrox Millennium P750

The most complete professional multi-display graphics solution

Offering all of the features of the Millennium P650, the Millennium P750 adds TripleHead output, Dual-display plus TV output and enhanced performance, making this product ideal for professionals on a budget. The product's unique feature set also makes it an ideal solution for the home, whether it's for digital photography, recreational video editing, internet usage, or entertainment.



Corporate Productivity

Support for dual-DVI doubles your desktop real estate while leveraging space-saving flat panel technology—an ideal fit for corporate computing. In fact, Microsoft® research estimates that using multi-display can result in a 20 to 50 percent productivity gain¹.



Digital Video Editing

Unique Matrox features such as dual gamma-correctable hardware overlays, Dual-display plus TV output and TripleHead support make the Millennium P-Series the ideal graphics for Software Non-Linear Editing (NLE) and for HW NLE workstations.



3D CAD and MCAD

The Millennium P-Series offers reliable dual-display graphics for AEC and entry-level MCAD workstations. Acceleration for OpenGL® across two displays offers a significant productivity boost compared to using a single display².



Digital Photography

The Millennium P-Series offers up to 5 Mega-pixel resolution in dual-display mode for per-pixel viewing of high resolution photographs. Support for 10-bit gamma correction and color calibration on each display facilitates viewing, managing and editing of digital photographs.

Matrox Millennium P-Series features:

- 256-bit GPU with 128-bit DDR memory bus
- 64 MB DDR memory
- AGP 8X, 4X, 2X, 1X
- Powerful 2D, 3D and DVD-Video acceleration
- Leading Multi-display support with DualHead-HF and TripleHead*:
 - 1600 x 1200 dual digital and 1920 x 1440 dual analog resolution
 - Dual-DVI outputs with independent resolution support
 - Fully symmetric dual-display outputs with identical quality
 - Unique Matrox TripleHead support*
 - Unique Matrox Dual-display plus TV output support*
 - Dual independent hardware overlays for video
 - Dual-display color calibration
- UltraSharp Display Output technology
 - Highest quality output with 10-bit gamma correctable DACs
- Certified for AEC and entry-level MCAD
- Glyph Antialiasing for ultra-crisp text rendering
- Unified Drivers for Millennium P-Series and Parhelia Series
- OpenGL® 1.3 and Microsoft® DirectX® 8.1 compliant
- Surround Gaming*

*Millennium P750 only

Minimum system requirements:

- AGP 2.0 compliant system
- 128 MB RAM
- 600 MHz CPU
- CD-ROM drive
- Microsoft® Windows® 2000, Windows® XP, Windows NT® 4.0 or Linux
(check regularly for updates on support for other operating systems)

Software bundle:



Return on investment through multi-display:

"...our research shows that productivity gains for standard tasks, window management, office, switching between documents [...] with multi-monitor [are] anywhere from 20 to 50 percent."

David Williams, Microsoft, speaking at WinHEC 2002¹

Supported output configurations:

DualHead-HF (2 displays)

Display 1	Display 2
RGB monitor	RGB monitor
Analog flat panel	Analog flat panel
Digital flat panel (DVI)	Digital flat panel (DVI) NTSC/PAL TV or VCR**

Dual-display + TV output*

Display 1	Display 2	TV
RGB monitor	RGB monitor	NTSC/PAL TV, Video
Analog flat panel	Analog flat panel	Monitor or VCR
Digital flat panel (DVI)		



Dual-display plus TV output mode for Digital Video professionals*

TripleHead (3 displays)*

Left display	Center display	Right display
RGB monitor	RGB monitor	RGB monitor
Analog flat panel	Analog flat panel	Analog flat panel
	Digital flat panel (DVI)	

*Millennium P750 only

**TV output cable optional for Millennium P650

Resolution/Refresh rates*:

	Resolution	Colors
Maximum 2D/3D***	2048 x 1536	Over one billion
Maximum DVI	1600 x 1200	16.8 million

Refresh rates

Resolution***	Vertical (Hz)
2048 x 1536	85
1920 x 1440	85
1600 x 1200	100
1280 x 1024	120
1152 x 864	140
1024 x 768	160
800 x 600	200
640 x 480	200

***Maximum resolution for main display

1-<http://www.microsoft.com/billgates/speeches/2002/04-18winhec.asp>

2-For more details on the return-on-investment and overall productivity increase provided by Matrox's multi-display, consult the document located at http://www.matrox.com/mga/products/tech_info/pdfs/parhelia/Multi_monitor_ROI.pdf