

Performance Tests: 24-Bit Graphics Adapters

Graphics Performance Tests

For Microsoft Windows, Version 3.0

Lower scores represent better performance.

1,024-by-768 Resolution, 16.8 Million Colors

TrueVision 1024-32

MonaLisa 24-Bit Color Display Board

RasterOps ColorBoard 1024MC

Display Adapter

Impression/AT-S True-Color

Graphics Controller

Truc

640-by-480 Resolution, 16.8 Million Colors

TrueVision 1024-32

MonaLisa 24-Bit Color Display Board

Everex Viewpoint TC

1,024-by-768 Resolution, 16 Colors

Everex Viewpoint TC

MonaLisa 24-Bit Color Display Board

TrueVision 1024-32

Aligned BitBlt Average Time (milliseconds)	Nonaligned BitBlt Average Time (milliseconds)	Screen-to- Screen BitBlt Average Time (milliseconds)	
	24.92	24.86	51.81
	23.95	23.83	73.92
	22.86	22.86	250.22
	7.53	7.75	24.1
	6.21	6.34	10.45
	24.85	24.57	51.67
	24.22	24.2	75.41
N/A	N/A	N/A	
	74.97	102.22	139.24
	24.19	74.93	108.16
	24.05	78.95	105.61

Memory-to-Screen BitBlt Average Time (milliseconds)	Random Rectangles Average Time (milliseconds)	Dialog Boxes Average Time (milliseconds)	
	52.19	4.13	366.95
	87.85	7.95	372.1
	275.72	10.19	1090.05
	39.46	1.05	392.48
	29.14	3.42	275.46
	51.99	2.54	364.89
	89.25	2.97	319.95
N/A		18.44	1004.54
	78.91	9.4	380.83
	66.13	11.07	473.88
	64.66	10.9	440.55

Aligned- Text Scroll Average Time (milliseconds)	Nonaligned- Text Scroll Average Time (milliseconds)	Rectangular Clipping Elapsed Time (milliseconds)	
	32.74	32.74	3.08
	31.74	31.76	2.76
	53.85	53.62	12.3
	13.59	13.89	3.47
	11.27	11.45	3.7
	25.09	25.04	2.84
	19.64	19.6	2.34
	183.96	184.21	9.38
	61.35	66.97	3.56
	75.2	75.57	2.76
	75.17	75.51	2.61