Validated 811 Performance for D1/VGA Resolution

OS	Preview (High resolution, with max frame rate 30fps)	Recording/Compression (Hight resolution, with max frame rate 30 fps)
Windows XP (with DVD Player video source)	VGA: x 3 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Preview: with AMCap or 811 Demo App)	VGA: x 3 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Recording: raw to x 3 .avi files with 811 Demo App)
Windows 7 Windows XP (with video camera source)	D1: x 1 channel, at frame rate 25 fps (on MSI MS-7309, AMD Athlon II x2 245 CPU, 2.9GHz, 4GB RAM) (Preview: with AMCap or 811 Demo App)	D1: x 1 channel, at frame rate 25 fps (on MSI MS-7309, AMD Athlon II x2 245 CPU, 2.9GHz, 4GB RAM) (Recording: raw to x 1 .avi files with 811 Demo App)
Ubuntu 9.10 (kernel 2.6.31)	D1: x 4 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Preview: with app XawTV)	VGA: x 4 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Compressing + Recording: real-time MPEG-2/4 to x 4 .avi/.mp4/.mov/.mpg files, using FFMpeg, 15% x 4)
openSuSE 11.2 (kernel 2.6.31.5)	D1: x 4 channels (on Dell Dimension C521, AMD Athlon 64 x2 Dual Core 3600+ (2 CPUs), @ 1.9 GHz, 512MB RAM) (Preview: with App XawTV)	VGA: x 3 channels (on Dell Dimension C521, AMD Athlon 64 x2 Dual Core 3600+ (2 CPUs), @ 1.9 GHz, 512MB RAM) (Recording: raw to x 3 .yuv files, using FFMpeg Compressing: .yuv to .mpg files, post- processing, using FFMpeg)
RedHat Fedora 12 (kernel 2.6.31.5)	D1: x 4 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Preview: with app XawTV, or VLC Player)	VGA: x 4 channels (on Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Compressing + Recording: real-time MPEG-2/4 to x 4 .avi/.mp4/.mov/.mpg files, using FFMpeg, 15% x 4)

CentOS 5.4 (kernel 2.6.18)	D1: x 4 channels (on MSI MS-7309, AMD Athlon II x2 245 CPU, 2.9GHz, 4GB RAM) (Preview: with VLC player)	D1: x 4 channels (on MSI MS-7309, AMD Athlon II x2 245 CPU, 2.9GHz, 4GB RAM) (Compressing + Recording: real-time MPEG-2/4 to x 4 .avi/.mp4/.mov files, using FFMpeg, 35% x1 +11% x3)
Knoppix 6.2.1 (kernel 2.6.32) (best live-DVD distro for PC and HW testing)	D1: x 4 channels (with Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Preview: with VLC player)	VGA: x 4 channels (with Dell Vostro 420, Intel Core2 Quad Q8200 @ 2.33 GHz (4 CPUs), 3GB RAM) (Compressing + Recording: real-time MPEG-2/4 to x 4 .avi/.mp4/.mov/.mpg files, using FFMpeg, 15% x 4)
Debian 5.0.4 (kernel 2.6.26)	TBT	TBT

Notes:

- TBT To Be Tested
- The recording/compressing performance could be affected by PC's hardware configuration and OS's real-time performance
- Overall performance varies with variety of OSs, even with the same PC hardware configuration