



mediostream[™]

DVD CREATION SPEED COMPARAISON

**From Video File
To
DVD disc**

May 2004



MedioStream, Inc.
2107 North First Street, Suite 530
San Jose, CA 95131

Phone: 408.452.5500
Fax: 408.452.5522

www.mediostream.com

DVD creation performance test results May 2004

SYSTEM CONFIGURATION

	SYSTEM A	SYSTEM B	SYSTEM C
HARDWARE			
PC Brand/Model Number <i>(For Clone PC, MB Brand/Model #).</i>	ASUS K7V	Iwill XP333-R	Intel D875PBZ
CPU Brand/Model #	AMD Athlon	AMD Athlon	Intel Pentium 4 HT
CPU Frequency	900 MHz	1.5 GHz	3 GHz
Amount of RAM	256 MB	256 MB	1 GB
Type of RAM	SDRAM PC133	SDRAM PC133	DDR400 PC3200
Chipset Brand/Model #	VIA VTA2C6A6A	Ali ALiMAGIK 1	Intel 875P
HDD Brand/Model #	IBM DTLA-307060	Maxtor 6L04J2	Seagate ST3 120026AS
Graphic Card or Graphic Chips Brand/Model #	NVidia Riva TNT	NVidia GeForce2 MX	ATI RAGE XL
Burner Brand/Model #	NEC ND-2500A2	NEC ND-2500A2	NEC ND-2500A2
Capture Card Brand/Model #	AverMedia AverTV	AverMedia AverTV	AverMedia AverTV
Audio Board or Chip Brand/Model #	Yamaha DS-XG	C-Media CMI8738	Yamaha DS1x
SOFTWARE			
BIOS Maker and Version	Award Medallion v6.0	Award Medallion v6.0	Intel BZ87510A-P05
OS and OS Update	Windows 98SE	Windows 2000 SP4	Windows XP SP1
Drivers and Update	Windows MP9 DirectX 9 DivX 5.0.5 QuickTime 6.1	Windows MP9 DirectX 9 DivX 5.0.5 QuickTime 6.1	Windows MP9 DirectX 9 DivX 5.0.5 QuickTime 6.1
Burner Firmware Version	V1.00	V1.00	V1.00
HDD Partitioning, Total HD Size, File Format and Allocated Size	Total – 60 GB 1 st – FAT32 (30GB) 2 nd – FAT32 (30 GB)	Total – 40 GB 1 st – FAT32 (2 GB) 2 nd – NTFS (2 GB) 3 rd – NTFS (4.5 GB) 4 th – FAT 32 (29 GB)	Total - 120 GB 1 st – NTFS (20 GB) 2 nd – FAT32 (30 GB) 3 rd – NTFS (63 GB)
IDE Drivers	Microsoft v4.10.2222	Microsoft v5.0.2183.1	Intel v5.0.1007.0
Version Graphic Card/Chip Driver	V4.13.01.1241	V6.3.1.0	V5.1.2001.0

TEST FILE INFORMATION

	DV AVI	DivX AVI	Windows Media WMV	QuickTime MOV
Image Size (HT/WT)	720/480	480/208	1280/720	480/260
Audio Attribute	48 KHz	44.1 KHz	48 KHz	44.1 KHz
Audio Sample Rate	16 Bit Stereo		16 Bit Stereo	16 Bit Stereo
Audio Format	PCM	MPEG L-3		Qdesign
Video Attribute	24 Bit; 4:3	24 Bit	24 Bit	24 Bit
Video Frame Rate	29.97	24.00		24.007
Video Compression	DV Video	DivX PRO		Sorenson V3

CONVERSION TEST RESULT

SYSTEM A

AMD Athlon 900MHz/Windows 98SE

DV - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	3:02	Encode/Direct to Disc	7:05	2.3
Showbiz v2.0	3:02	Encode/Burn to DVD+RW	21:09	7.0
PowerProducer 2 Gold	3:02	Encode/Burn to DVD+RW	13:28	4.4
WinProducer v3.0	3:02	Encode/Burn to DVD+RW	14:57	4.9
MyDVD v5.2	3:02	Encode/Burn to DVD+RW	20:21	6.7
DVD MovieFactory 3.0	3:02	Encode/Burn to DVD+RW	14:56	4.9
Nero v6.0 Ultra	3:02	Encode/Burn to DVD+RW	30:02	9.9
Easy Media Creator	3:02	Encode/Burn to DVD+RW	N/S	
DivX - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:28	Encode/Direct to Disc	5:10	2.1
Showbiz v2.0	2:28	Encode/Burn to DVD+RW	13:19	5.4
PowerProducer 2 Gold	2:28	Encode/Burn to DVD+RW	10:14	4.1
WinProducer v3.0	2:28	Encode/Burn to DVD+RW	9:37	3.9
MyDVD v5.2	2:28	Encode/Burn to DVD+RW	11:42	4.7
DVD MovieFactory 3.0	2:28	Encode/Burn to DVD+RW	8:46	3.6
Nero v6.0 Ultra	2:28	Encode/Burn to DVD+RW	13:28	5.5
Easy Media Creator	2:28	Encode/Burn to DVD+RW	N/S	
Windows Media - WMV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:15	Encode/Direct to Disc	9:18	4.1
Showbiz v2.0	2:15	Encode/Burn to DVD+RW	22:04	9.8
PowerProducer 2 Gold	2:15	Encode/Burn to DVD+RW	20:16	9.0
WinProducer v3.0	2:15	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	2:15	Encode/Burn to DVD+RW	Error	
DVD MovieFactory 3.0	2:15	Encode/Burn to DVD+RW	1:33:03	41.4
Nero v6.0 Ultra	2:15	Encode/Burn to DVD+RW	34:33	15.4
Easy Media Creator	2:15	Encode/Burn to DVD+RW	N/S	
QuickTime - MOV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	1:16	Encode/Direct to Disc	3:24	2.7
Showbiz v2.0	1:16	Encode/Burn to DVD+RW	7:47	6.1
PowerProducer 2 Gold	1:16	Encode/Burn to DVD+RW	N/S	
WinProducer v3.0	1:16	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	1:16	Encode/Burn to DVD+RW	Error	
DVD MovieFactory 3.0	1:16	Encode/Burn to DVD+RW	21:05	16.6
Nero v6.0 Ultra	1:16	Encode/Burn to DVD+RW	N/S	
Easy Media Creator	1:16	Encode/Burn to DVD+RW	N/S	

-Ratio was calculated by dividing 'Source Duration' to 'Total Time'; Lowest Value on the Ratio is the best result
 N/S – Software does not support this media format or under the tested OS

SYSTEM B

AMD Athlon 1.5GHz/Windows 2000 SP4

DV - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	3.02	Encode/Direct to Disc	3:58	1.3
Showbiz v2.0	3.02	Encode/Burn to DVD+RW	8:34	2.8
PowerProducer 2 Gold	3.02	Encode/Burn to DVD+RW	6:26	2.1
WinProducer v3.0	3.02	Encode/Burn to DVD+RW	6:02	2.0
MyDVD v5.2	3.02	Encode/Burn to DVD+RW	12:16	4.0
DVD MovieFactory 3.0	3.02	Encode/Burn to DVD+RW	6:48	2.2
Nero v6.0 Ultra	3.02	Encode/Burn to DVD+RW	12:19	4.1
Easy Media Creator	3.02	Encode/Burn to DVD+RW	9:08	3.0
DivX - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:28	Encode/Direct to Disc	3:16	1.3
Showbiz v2.0	2:28	Encode/Burn to DVD+RW	7:35	3.1
PowerProducer 2 Gold	2:28	Encode/Burn to DVD+RW	4:36	1.9
WinProducer v3.0	2:28	Encode/Burn to DVD+RW	5:31	2.2
MyDVD v5.2	2:28	Encode/Burn to DVD+RW	6:31	2.6
DVD MovieFactory 3.0	2:28	Encode/Burn to DVD+RW	4:13	1.7
Nero v6.0 Ultra	2:28	Encode/Burn to DVD+RW	6:12	2.5
Easy Media Creator	2:28	Encode/Burn to DVD+RW	6:27	2.6
Windows Media - WMV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:15	Encode/Direct to Disc	5:49	2.6
Showbiz v2.0	2:15	Encode/Burn to DVD+RW	10:43	4.8
PowerProducer 2 Gold	2:15	Encode/Burn to DVD+RW	7:15	3.2
WinProducer v3.0	2:15	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	2:15	Encode/Burn to DVD+RW	Error	
DVD MovieFactory 3.0	2:15	Encode/Burn to DVD+RW	47:27	21.1
Nero v6.0 Ultra	2:15	Encode/Burn to DVD+RW	16:57	7.5
Easy Media Creator	2:15	Encode/Burn to DVD+RW	8:45	3.9
QuickTime - MOV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	1:16	Encode/Direct to Disc	2:10	1.7
Showbiz v2.0	1:16	Encode/Burn to DVD+RW	4:32	3.6
PowerProducer 2 Gold	1:16	Encode/Burn to DVD+RW	N/S	
WinProducer v3.0	1:16	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	1:16	Encode/Burn to DVD+RW	4:37	3.6
DVD MovieFactory 3.0	1:16	Encode/Burn to DVD+RW	10:31	8.3
Nero v6.0 Ultra	1:16	Encode/Burn to DVD+RW	N/S	
Easy Media Creator	1:16	Encode/Burn to DVD+RW	3:51	3.0

-Ratio was calculated by dividing 'Source Duration' to 'Total Time'; Lowest Value on the Ratio is the best result
 NS – Software does not support this media format or under the tested OS

SYSTEM C

Intel P4 3GHz/Windows XP SP1

DV - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	3:02	Encode/Direct to Disc	1:43	0.6
Showbiz v2.0	3:02	Encode/Burn to DVD+RW	4:41	1.5
PowerProducer 2 Gold	3:02	Encode/Burn to DVD+RW	3:40	1.2
WinProducer v3.0	3:02	Encode/Burn to DVD+RW	5:31	1.8
MyDVD v5.2	3:02	Encode/Burn to DVD+RW	3:45	1.2
DVD MovieFactory 3.0	3:02	Encode/Burn to DVD+RW	3:50	1.3
Nero v6.0 Ultra	3:02	Encode/Burn to DVD+RW	7:01	2.3
Easy Media Creator	3:02	Encode/Burn to DVD+RW	4:01	1.3
DivX - AVI	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:28	Encode/Direct to Disc	1:24	0.6
Showbiz v2.0	2:28	Encode/Burn to DVD+RW	3:32	1.4
PowerProducer 2 Gold	2:28	Encode/Burn to DVD+RW	2:33	1.0
WinProducer v3.0	2:28	Encode/Burn to DVD+RW	4:32	1.8
MyDVD v5.2	2:28	Encode/Burn to DVD+RW	3:41	1.5
DVD MovieFactory 3.0	2:28	Encode/Burn to DVD+RW	2:32	1.0
Nero v6.0 Ultra	2:28	Encode/Burn to DVD+RW	3:54	1.6
Easy Media Creator	2:28	Encode/Burn to DVD+RW	3:17	1.3
Windows Media - WMV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	2:15	Encode/Direct to Disc	2:19	1.0
Showbiz v2.0	2:15	Encode/Burn to DVD+RW	5:24	2.4
PowerProducer 2 Gold	2:15	Encode/Burn to DVD+RW	3:42	1.6
WinProducer v3.0	2:15	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	2:15	Encode/Burn to DVD+RW	Error	
DVD MovieFactory 3.0	2:15	Encode/Burn to DVD+RW	24:03	10.7
Nero v6.0 Ultra	2:15	Encode/Burn to DVD+RW	7:37	3.4
Easy Media Creator	2:15	Encode/Burn to DVD+RW	3:48	1.7
QuickTime - MOV	Source Duration	Action	Total Time	~Ratio
NeoDVD 6.0	1:16	Encode/Direct to Disc	0:57	0.8
Showbiz v2.0	1:16	Encode/Burn to DVD+RW	2:47	2.2
PowerProducer 2 Gold	1:16	Encode/Burn to DVD+RW	N/S	
WinProducer v3.0	1:16	Encode/Burn to DVD+RW	N/S	
MyDVD v5.2	1:16	Encode/Burn to DVD+RW	1:55	1.5
DVD MovieFactory 3.0	1:16	Encode/Burn to DVD+RW	6:28	5.1
Nero v6.0 Ultra	1:16	Encode/Burn to DVD+RW	N/S	
Easy Media Creator	1:16	Encode/Burn to DVD+RW	1:57	1.5

-Ratio was calculated by dividing 'Source Duration' to 'Total Time'; Lowest Value on the Ratio is the best result
 N/S – Software does not support this media format or under the tested OS