First Generation MCE Systems

MC PC 3 - BEST

Recording sources	DVD player on Composite video 2 - using WinDVD software
	VCR on RF input 2 - using MCE Recording software
Playback	Play DVD movie in the DVD drive

Thermal Probes	**Locations**	0h0m	0h15m	0h30m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C^o)	Idle state on desktop in windows	running PVR-2 streams & Playing DVD	running PVR-2 streams & Playing DVD	running PVR-2 streams & Playing DVD	Idle state on desktop in windows	
1	CPU	23.6	28.3	31.1	31.2	30.9	28.7	(C^o)
2	GPU/Graphics	22.8	42.1	49.9	50.1	49.7	43.5	(C^o)
3	HDD-200GB(0-60C)	21.0	43.1	55.8	57.6	58.7	55.5	(C^o)
4	Tuner (hoter)	22.0	52.8	56.5	56.9	56.9	55.0	(C^o)
5	Internal TA	24.8	33.1	37.0	37.7	37.5	33.5	(C^o)
6	Room TA	22.6	22.4	25.1	25.1	26.9	24.4	(C^o)
7	Case-External	21.5	28.4	32.2	32.5	32.5	31.1	(C^o)
8	Sound Noise (ISO7779)	17.8	33.4	36.3	36.4	36.7	36.1	dBA

MC PC 2 - BETTER

Recording sources	DVD player on Composite video 2 - using WinDVD software
	VCR on RF input 2 - using MCE Recording software
Playback	Play DVD movie in the DVD drive

Thermal Probes	Locations	0h0m	0h15m	0h30m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C^o)	Idle state on desktop in windows	running PVR-2/1 streams & Playing DVD	running PVR-2/1 streams & Playing DVD	running PVR-2/1 streams & Playing DVD	Idle state on desktop in windows	
1	CPU	20.6	32.7	40.1	42.2	43.1	37.5	(C^o)
2	GPU/Graphics	20.9	50.2	62.5	64.2	64.6	55.2	(C^o)
3	HDD-80GB(0-60C)	20.3	46.2	52.7	56.6	56.5	51.2	(C^o)
4	Tuner(hoter)	21.0	55.7	61.6	61.8	62.7	59.6	(C^o)
5	Internal TA	21.0	30.5	38.8	39.7	40.6	34.2	(C^o)
6	Room TA	20.8	22.5	23.6	27.8	27.2	25.6	(C^o)
7	Case-External	20.9	34.5	40.7	41.5	41.8	39.2	(C^o)
8	Sound Noise (ISO7779)	17.8	27.6	32.9	33.5	33.1	30.0	dBA

MC PC 1 - GOOD

Video source: DVD movie

Playback Play DVD movie in the DVD drive

Thermal Probes	Locations	0h0m	0h15m	0h30m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C°)	Idle state on desktop in windows	Playing DVD	Playing DVD	Playing DVD	Idle state on desktop in windows	
1	CPU	20.8	32.6	34.5	34.6	34.5	33.7	(C°)
2	GPU/Graphics	21.3	41.1	42.2	42.5	43.0	41.8	(C°)
3	HDD-40GB(0-60C)	21.2	36.0	37.8	39.1	39.2	38.5	(C°)
4	Tuner(hoter)	N/A	N/A	N/A	N/A	N/A	N/A	(C°)
5	Internal TA	21.3	32.1	34.1	34.3	34.5	34.0	(C°)
6	Room TA	21.2	23.0	23.4	24.1	23.9	24.0	(C°)
7	Case-External	21.4	28.7	29.4	30.1	30.0	29.8	(C°)
8	Sound Noise(ISO7779)	17.8	39.5	40.4	40.7	41.1	40	dBA

Second Generation MCE Systems

MC PC 3 - BEST

80mm case

Recording sources	DVD player on Composite video 2 - using WinDVD software
	VCR on RF input 2 - using MCE Recording software
Playback	Play DVD movie in the DVD drive

Thermal Probes	**Locations**	0h0m	0h15m	0h30m	0h30m	1h00m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C^o)	Idle state on desktop in windows	running PVR-2 streams & Playing DVD-**W/FAN**	running PVR-2 streams & Playing DVD-**NO FAN-2min**	running PVR-2 streams & Playing DVD-**W/FAN**	running PVR-2 streams & Playing DVD-**NO FAN-2min**	running PVR-2 streams & Playing DVD	Idle state on desktop in windows	
1	CPU	21.2	39.7	43.8	NC	43.8	NC	44.7	39.8	(C^o)
2	GPU*	21.9	*48.2*	*58.3*	***59.7***	*58.2*	***59.5***	*59.8(61.9)*	*53.7*	(C^o)
3	HDD-160GB	20.8	39.2	49.2	48.5	50.2	49.7	50.8	44.2	(C^o)
4	Tuner	21.9	49.2	58.2	**64.0**	59.4	**63.4**	60.1(65)	58.2	(C^o)
5	Internal TA*	21.9	*31.2*	*33.2*	*33.6*	*32.8*	*33.5*	*33.3*	*32.4*	(C^o)
6	Room TA	22.7	23.2	23.4	NC	23.5	NC	23.5	22.9	(C^o)
7	Case-Ext.**	23.1	*26.5*	*30.7*	*30.9*	*31.5*	*31.6*	*32.1*	*30.9*	(C^o)
8	Sound Noise (ISO7779)	17.8	46.5	47.1	NC	47.3	NC	47.4	46.5	dBA

MC PC 2 - BETTER

80mm case

Recording sources	DVD player on Composite video 2 - using WinDVD software
	VCR on RF input 2 - using MCE Recording software
Playback	Play DVD movie in the DVD drive

Thermal Probes	**Locations**	0h0m	0h15m	0h30m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C^o)	Idle state on desktop in windows	running PVR-2 streams & Playing DVD	running PVR-2 streams & Playing DVD	running PVR-2 streams & Playing DVD	Idle state on desktop in windows	
1	CPU	21.2	38.8	42.2	42.6	43.1	39.5	(C^o)
2	GPU*	21.9	48.2	58.3	58.2	59.8(60.5)	53.7	(C^o)
3	HDD-160GB	20.8	39.2	49.2	50.2	50.8	44.2	(C^o)
4	Tuner	21.9	49.2	58.2	59.4	60.1(65)	58.2	(C^o)
5	Internal TA*	21.9	31.2	33.2	32.8	33,3	32.4	(C^o)
6	Room TA	22.7	23.2	23.4	23.5	23.5	22.9	(C^o)
7	Case-Ext.**	23.1	26.5	30.7	31.5	22.1	30.9	(C^o)
8	Sound Noise (ISO7779)	17.8	46.3	47.1	47.3	47.5	46.5	dBA

MC PC 1 - GOOD

53mm case (microATX)

Recording sources — Recording PVR-2 Streams and playing DVD

Playback — Play DVD movie in the DVD drive

		0h0m	0h15m	0h30m	1h00m	2h30m	3h00m	
		Temperature before Starting Tests(C^o)	Idle state on desktop in windows	tv+dvd	tv+dvd	tv+dvd	Idle state on desktop in windows	
1	CPU	25.1	30.7	49.3	50.3	51.3	47.2	(C^o)
2	ridge+GPU	25.7	48.6	56.9	57.6	58.5	54.3	(C^o)
3	HDD-40GB	26.7	35.2	55.6	56.7	56.7	47.5	(C^o)
4	Tuner	26.7	50.1	66.2	66.8	66.9	57.9	(C^o)
5	Internal TA*	25.7	30.7	48.0	49.0	50.5	45.6	(C^o)
6	Room TA	22.5	24.0	38.0	40.0	38.0	38.0	(C^o)
7	Case-Ext.**	N/A	N/A	N/A	N/A	N/A	N/A	(C^o)
8	Sound Noise (ISO7779)	17.8						dBA