



### Compression Card Comparison Chart (Single Card)

		GV-600A	GV-650A	GV-800A	GV-600B	GV-650B	GV-800B	GV-900A	GV-1008	GV-1120 A	GV-1240 A	GV-1480 A	GV-3008	GV-4008 A	
Interface		PCI			PCI, PCI-E (x1)				PCI-E (x1)						
Input Type		BNC, D-Type	D-Type	BNC, D-Type	DVI			D-Type, DVI					D-Type	DVI	
Video Input		1, 2, 4, 6, 8, 10, 12, 14, 16		4, 8, 12, 16		4, 8, 16			8, 16, 32	8	8, 12, 16	8, 16	16	8	
Recording Rate	CIF	NTSC	30 fps	60 fps	120 fps	4 port: 30 fps 16 port: 30 fps	4 port: 60 fps 16 port: 60 fps	4 port: 120 fps 16 port: 120 fps	8 port: 240 fps 32 port: 240 fps	240 fps	120 fps	240 fps	480 fps	-	
		PAL	25 fps	50 fps	100 fps	4 port: 25 fps 16 port: 25 fps	4 port: 50 fps 16 port: 50 fps	4 port: 100 fps 16 port: 100 fps	8 port: 200 fps 32 port: 200 fps	200 fps	100 fps	200 fps	400 fps	-	
	D1	NTSC	15 fps	30 fps	60 fps	4 port: 30 fps 16 port: 15 fps	4 port: 60 fps 16 port: 30 fps	4 port: 120 fps 16 port: 60 fps	8 port: 240 fps 32 port: 120 fps	240 fps	80 fps	120 fps	240 fps	240 fps	
		PAL	12.5 fps	25 fps	50 fps	4 port: 25 fps 16 port: 12.5 fps	4 port: 50 fps 16 port: 25 fps	4 port: 100 fps 16 port: 50 fps	8 port: 200 fps 32 port: 100 fps	200 fps	72 fps	100 fps	200 fps	200 fps	
Display Rate	CIF	NTSC	30 fps	60 fps	120 fps	4 port: 30 fps 16 port: 30 fps	4 port: 60 fps 16 port: 60 fps	4 port: 120 fps 16 port: 120 fps	8 port: 240 fps 32 port: 240 fps	240 fps	480 fps	480 fps	480 fps	-	
		PAL	25 fps	50 fps	100 fps	4 port: 25 fps 16 port: 25 fps	4 port: 50 fps 16 port: 50 fps	4 port: 100 fps 16 port: 100 fps	8 port: 200 fps 32 port: 200 fps	200 fps	400 fps	400 fps	400 fps	-	
	D1	NTSC	15 fps	30 fps	60 fps	4 port: 30 fps 16 port: 15 fps	4 port: 60 fps 16 port: 30 fps	4 port: 120 fps 16 port: 60 fps	8 port: 240 fps 32 port: 120 fps	240 fps	480 fps	480 fps	480 fps	240 fps	
		PAL	12.5 fps	25 fps	50 fps	4 port: 25 fps 16 port: 12.5 fps	4 port: 50 fps 16 port: 25 fps	4 port: 100 fps 16 port: 50 fps	8 port: 200 fps 32 port: 100 fps	200 fps	400 fps	400 fps	400 fps	200 fps	
Video Codec		Geo MPEG4, Geo H264													
Video Resolution	NTSC	704 x 480, 704 x 480 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 240, 320 x 240											H/W:704 x 480 S/W:352 x 240		
	PAL	704 x 576, 704 x 576 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 288, 320 x 240											H/W:704 x 576 S/W:352 x 288		
Audio Input		1	2	4			8		8, 12, 16	8, 16	16	8			
Audio Codec		AAC (16 kHz / 16 bit)													
GV-Multi Quad Card Support		o	o	o	x	x	x	x	o	o	o	o	o	o	
GV-Loop Through Card Support		o	o	o	x	x	x	x	o	o	o	o	o	o	
GV-NET/I/O Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
GV-I/O 12-In Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
GV-I/O 12-Out Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
Hardware Watchdog		o	o	o	o	o	o	o	o	o	o	o	o	o	
Dimensions (W x H)		144 X 89 mm	174 x 98 mm	BNC: 152 x 94 mm; D-Type: 174 x 98 mm	PCI: 120 x 65 mm; PCI-E: 120 x 82 mm			120 X 112 mm	179 X 99 mm	179 X 112 mm			180 x 112 mm	169 x 112 mm	
Minimum System Requirements															
OS		Windows XP (32-bit) / Vista (32-bit) / 7 (32-bit and 64-bit) / Server 2008 (32-bit and 64-bit)													
DirectX		9.0c													
CPU		Pentium 4, 2.0 GHz	Pentium 4, 2.4 GHz	Pentium 4, 3.0 GHz with HT	Pentium 4, 2.0 GHz	Pentium 4, 2.4 GHz	Pentium 4, 3.0 GHz with HT	Pentium 4, 3.0 GHz Dual Core	Core 2 Duo, 3.0 GHz	Pentium 4, 3.0 GHz With HT	Pentium 4, 3.0 GHz Dual Core	Core 2 Duo, 3.0 GHz	Core 2 Duo, 2.33 GHz		
RAM		2 x 512 MB Dual Channels (Windows XP)						2 x 1 GB Dual Channels	2 x 512 MB Dual Channels (Windows XP)				2 x 1 GB Dual Channels		
		2 x 1 GB Dual Channels (Windows Vista / 7 / Server 2008)							2 x 1 GB Dual Channels (Windows Vista / 7 / Server 2008)						
HDD		80 GB						160 GB	250 GB	80 GB	120 GB	250 GB			
Graphic Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color													

**Note:**

- To work together with GV-4008A, GV-NET I/O Card V3.1 must be set in the I/O Box Mode and connected to the PC through USB.
- All specifications are subject to change without notice.



### Compression Card Comparison Chart (Two Cards)

		GV-600A X 2	GV-650A X 2	GV-800A X 2	GV-600B X 2	GV-650B X 2	GV-800B X 2	GV-900A X 2	GV-1008 X 2	GV-1120 A X 2	GV-1240 A X 2	GV-1480 A X 2	GV-3008 x 2	GV-4008A X 2	
Interface		PCI x 2	PCI x 2, PCI-E (x1) x 2, PCI x 1 + PCI-E (x1) x 1	PCI-E (x1) x 2, PCI x 1 + PCI-E (x1) x 1	PCI-E (x1) x 2, PCI x 1 + PCI-E (x1) x 1			PCI-E (x1) x 2							
Input Type		BNC, D-Type	D-Type	BNC, D-Type	DVI				D-Type, DVI				D-Type	DVI	
Video Input		32 (Max.)			8, 12, 16, 20, 24, 32			16, 24, 32	16	16, 20, 24, 28, 32	16, 24, 32	32	16		
Recording Rate	CIF	NTSC	60 fps	120 fps	240 fps	4+4 port: 60 fps 16+16 port: 60 fps	4+4 port: 120 fps 16+16 port: 120 fps	4+4 port: 240 fps 16+16 port: 240 fps	8+8 port: 480 fps 16+16 port: 480 fps	480 fps	240 fps	480 fps	960 fps	-	
		PAL	50 fps	100 fps	200 fps	4+4 port: 50 fps 16+16 port: 50 fps	4+4 port: 100 fps 16+16 port: 100 fps	4+4 port: 200 fps 16+16 port: 200 fps	8+8 port: 400 fps 16+16 port: 400 fps	400 fps	200 fps	400 fps	800 fps	-	
	D1	NTSC	30 fps	60 fps	120 fps	4+4 port: 60 fps 16+16 port: 30 fps	4+4 port: 120 fps 16+16 port: 60 fps	4+4 port: 240 fps 16+16 port: 120 fps	8+8 port: 480 fps 16+16 port: 240 fps	480 fps	160 fps	240 fps	480 fps	480 fps	
		PAL	25 fps	50 fps	100 fps	4+4 port: 50 fps 16+16 port: 25 fps	4+4 port: 100 fps 16+16 port: 50 fps	4+4 port: 200 fps 16+16 port: 100 fps	8+8 port: 400 fps 16+16 port: 200 fps	400 fps	144 fps	200 fps	400 fps	400 fps	
Display Rate	CIF	NTSC	60 fps	120 fps	240 fps	4+4 port: 60 fps 16+16 port: 60 fps	4+4 port: 120 fps 16+16 port: 120 fps	4+4 port: 240 fps 16+16 port: 240 fps	8+8 port: 480 fps 16+16 port: 480 fps	480 fps	960 fps	960 fps	960 fps	-	
		PAL	50 fps	100 fps	200 fps	4+4 port: 50 fps 16+16 port: 50 fps	4+4 port: 100 fps 16+16 port: 100 fps	4+4 port: 200 fps 16+16 port: 200 fps	8+8 port: 400 fps 16+16 port: 400 fps	400 fps	800 fps	800 fps	800 fps	-	
	D1	NTSC	30 fps	60 fps	120 fps	4+4 port: 60 fps 16+16 port: 30 fps	4+4 port: 120 fps 16+16 port: 60 fps	4+4 port: 240 fps 16+16 port: 120 fps	8+8 port: 480 fps 16+16 port: 240 fps	480 fps	960 fps	960 fps	960 fps	480 fps	
		PAL	25 fps	50 fps	100 fps	4+4 port: 50 fps 16+16 port: 25 fps	4+4 port: 100 fps 16+16 port: 50 fps	4+4 port: 200 fps 16+16 port: 100 fps	8+8 port: 400 fps 16+16 port: 200 fps	400 fps	800 fps	800 fps	800 fps	400 fps	
Video Codec		Geo MPEG4, Geo H264													
Video Resolution	NTSC	704 x 480, 704 x 480 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 240, 320 x 240											H/W:704 x 480 S/W:352 x 240		
	PAL	704 x 576, 704 x 576 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 288, 320 x 240											H/W:704 x 576 S/W:352 x 288		
Audio Input		2	4	8				16	16, 20, 24, 28, 32	16, 24, 32	32	16			
Audio Codec		AAC (16 kHz / 16 bit)													
GV-Multi Quad Card Support		o	o	o	x	x	x	x	o	o	o	o	o	o	
GV-Loop Through Card Support		o	o	o	x	x	x	x	o	o	o	o	o	o	
GV-NET/IO Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
GV-I/O 12-In Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
GV-I/O 12-Out Card Support		o	o	o	o	o	o	o	o	o	o	o	o	o <sup>1</sup>	
Hardware Watchdog		o	o	o	o	o	o	o	o	o	o	o	o	o	
Minimum System Requirements															
OS		Windows XP (32-bit) / Vista (32-bit) / 7 (32-bit and 64-bit) / Server 2008 (32-bit and 64-bit)													
DirectX		9.0c													
CPU		Pentium 4, 2.6 GHz with HT	Pentium 4, 2.8 GHz with HT	Pentium 4, 3.0 GHz Dual Core	Pentium 4, 2.6 GHz with HT	Pentium 4, 2.8 GHz with HT	Pentium 4, 3.0 GHz Dual Core	Core i5-750, 2.66 GHz			Pentium 4, 3.0 GHz Dual Core	Core 2 Duo, 2.53GHz	Core 2 Quad, 2.4GHz		
RAM		2 x 1 GB Dual Channels													
HDD		160 GB				500 GB			160 GB	250 GB	500 GB				
Graphic Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color													

**Note:**

- To work together with GV-4008A, GV-NET I/O Card V3.1 must be set in the I/O Box Mode and connected to the PC through USB.
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