



## Compression Card Comparison Chart (Single Card)

		GV-600 A	GV-650 A	GV-800 A	GV-600 B	GV-650 B	GV-800 B	GV-900 A	GV-1120 A	GV-1240 A	GV-1480 A	GV-1120 B	GV-1240 B	GV-1480 B	GV-3008	GV-4008 A	GV-5016
Interface		PCI	PCI, PCI-E (x1)		PCI-E (x1)						PCI-E (x4)			PCI-E (x1)			
Input Type		BNC, D-Type	BNC, D-Type	BNC, D-Type	DVI			D-Type, DVI			DVI			D-Type	DVI	LFH	
Video Input		1, 2, 4, 6, 8, 10, 12, 14, 16	4, 8, 12, 16		4, 8, 16			8, 16, 32	8, 12, 16	8, 16	16	16			8		16
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	120 fps	240 fps	480 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	100 fps	200 fps	400 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	80 fps	120 fps	240 fps	120 fps	240 fps	480 fps	240 fps	480fps
		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	72 fps	100 fps	200 fps	100 fps	200 fps	400 fps	200 fps	400fps
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	480 fps	480 fps	480 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	400 fps	400 fps	400 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	480 fps	480 fps	480 fps	480 fps	480 fps	480 fps	240 fps	480 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	400 fps	400 fps	400 fps	400 fps	400 fps	400 fps	200 fps	400 fps
Video Codec		Geo MPEG4, Geo H.264														H/W: Geo H.264	
																S/W: Geo MPEG4, Geo H.264	
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	
	PAL	704 x 576, 704 x 576 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 288, 320 x 240														S/W:352 x 240	
Audio Input		1	2	4			8	8, 12, 16	8, 16	16						8	16
Audio Support		Yes (16 kHz / 16 bit)			Yes (16 kHz / 16 bit, 32kHz / 16 bit)											Yes (16 kHz / 16 bit)	Yes (16 kHz / 16 bit, 32kHz / 16 bit)
GV-Multi Quad Card Support		○	○	○	✗	✗	✗	✗	○	○	○	○	○	○	○	○	✗
GV-Loop Through Card Support		○	○	○	✗	✗	✗	✗	○	○	○	○	○	○	○	○	✗
GV-NET/I/O Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
GV-I/O 12-In Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
GV-I/O 12-Out Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
Hardware Watchdog		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Dimensions (W x H)		144 X 89 mm	174 x 98 mm	BNC: 152 x 94 mm; D-Type: 174 x 98 mm	PCI-E: 120 x 82 mm			120 X 112 mm	179 X 112 mm			156 X 111 mm			180 x 112 mm	169 x 112 mm	168 x 70 mm
<b>Minimum System Requirements, CIF Resolution</b>																	
OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008															
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012															
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 With HT	Pentium 4, 3.0 GHz Dual Core	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	Core 2, Quad 2.4 GHz
RAM		2 x 1 GB Dual Channels															
HDD		80 GB			160 GB			80 GB	120 GB	250 GB	80 GB	120 GB	250 GB	250 GB	250 GB	500 GB	
Graphics Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color															

**Note:**

- GV-1120A/1240A/1480A cards support TV-Out function. GV-1120B/1240B/1480B cards do not have a TV-Out port but you can use Digital Matrix function for multiple monitor displays.
- To work together with GV-4008A/5016, GV-NET I/O Card V3.1 must be set in the I/O Box Mode and connected to the PC through USB or DB9.
- All specifications are subject to change without notice.



## Compression Card Comparison Chart (Two Cards)

		GV-600 A X 2	GV-650 A X 2	GV-800A X 2	GV-600B X 2	GV-650B X 2	GV-800B X 2	GV-900A X 2	GV-1120 A X 2	GV-1240 A X 2	GV-1480 A X 2	GV-1120 B X 2	GV-1240 B X 2	GV-1480 B X 2	GV-3008 x 2	GV-4008 A X 2	GV-5016 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-E (x4) x 2			PCI-E (x1) x 2			
Input Type		BNC, D-Type	BNC, D-Type	BNC, D-Type	DVI			D-Type, DVI			DVI			D-Type	DVI	LFH	
Video Input		32 (Max.)			8, 12, 16, 20, 24, 32			16, 24, 32	16, 20, 24, 28, 32	16, 24, 32	32	32			16		32
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	240 fps	480 fps	960 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	200 fps	400 fps	800 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	160 fps	240 fps	480 fps	240 fps	480 fps	960 fps	480 fps	960fps
		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	144 fps	200 fps	400 fps	200 fps	400 fps	800 fps	400 fps	800fps
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	960 fps	960 fps	960 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	800 fps	800 fps	800 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	960 fps	960 fps	960 fps	960 fps	960 fps	960 fps	480 fps	960 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	800 fps	800 fps	800 fps	800 fps	800 fps	800 fps	400 fps	800 fps
Video Codec		Geo MPEG4, Geo H.264													H/W: Geo H.264		
															S/W: Geo MPEG4, Geo H.264		
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		
	PAL	704 x 576, 704 x 576 De-interlace, 640 x 480, 640 x 480 De-interlace, 352 x 288, 320 x 240													S/W:352 x 240		
Audio Input		2	4	8			16	16, 20, 24, 28, 32	16, 24, 32	32			16		32		
Audio Support		Yes (16 kHz / 16 bit)			Yes (16 kHz / 16 bit, 32kHz / 16 bit)										Yes (16 kHz / 16 bit)	Yes (16 kHz / 16 bit, 32kHz / 16 bit)	
GV-Multi Quad Card Support		○	○	○	✗	✗	✗	✗	○	○	○	○	○	○	○	○	✗
GV-Loop Through Card Support		○	○	○	✗	✗	✗	✗	○	○	○	○	○	○	○	○	✗
GV-NET/I/O Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
GV-I/O 12-In Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
GV-I/O 12-Out Card Support		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○ <sup>2</sup>	○ <sup>2</sup>
Hardware Watchdog		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
<b>Minimum System Requirements, CIF Resolution</b>																	
OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008															
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012															
9.0c																	
DirectX																	
CPU		Pentium m 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	Core 2 Duo, E7200, 2.53GHz	Core 2 Duo, 3.0GHz	Core 2 Quad, 2.4GHz	Core 2 Quad, 2.4GHz	Core i5 650, 3.2GHz	
RAM		2 x 1 GB Dual Channels															
HDD		160 GB			500 GB			160 GB	250 GB	500 GB	160 GB	250 GB	500 GB	500 GB	500 GB	1 TB	
Graphics Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color															

**Note:**

1. GV-1120A/1240A/1480A cards support TV-Out function. GV-1120B/1240B/1480B cards do not have a TV-Out port but you can use Digital Matrix function for multiple monitor displays.
2. To work together with GV-4008A/5016, GV-NET I/O Card V3.1 must be set in the I/O Box Mode and connected to the PC through USB or DB9.
3. All specifications are subject to change without notice.



## Compression Card Comparison Chart (SDI Card)

		GV-SDI-204	GV-SDI-204 (x 4)
Interface		PCI-E (x1)	PCI-E (x1) x 4
Input Type			BNC
Video Input		4	16
Recording Rate and Display Rate	1080p	NTSC	120 fps
		PAL	100 fps
	720p	NTSC	240 fps
		PAL	200 fps
	1080i	NTSC	120 fps
		PAL	100 fps
Video Codec		H.264	Geo MPEG4, Geo H.264
Video Resolution	H/W	1080p	1920 x 1080
		720p	1280 x 720
		1080i	1920 x 1080
	S/W	1080p	960 x 540, 480 x 270
		720p	640 x 360
		1080i	960 x 540, 480 x 270
Audio Input		N/A	N/A
Audio Codec		N/A	N/A
GV-Multi Quad Card Support			X
GV-Loop Through Card Support			X
GV-NET/IO Card Support			O <sup>1</sup>
GV-I/O 12-In Card Support			O <sup>1</sup>
GV-I/O 12-Out Card Support			O <sup>1</sup>
Hardware Watchdog			O
Dimensions (W x H)		158 x 111 mm	
<b>Minimum System Requirements, CIF Resolution</b>			
OS			
Windows 7 (32-bit and 64-bit) / 8 (32-bit and 64-bit) / Server 2008 (32-bit and R2, 64-bit) / Server 2012 (64-bit)			
DirectX			
9.0c			
CPU		Core 2 Duo, 2.00 GHz	Core i3, 3.40 GHz
RAM		2 x 1 GB Dual Channels	
HDD		500 GB	2 TB
Graphic Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color	

**Note:**

- To work together with GV-SDI-204, GV-NET I/O Card V3.1 must be set in the I/O Box Mode and connected to the PC through USB or DB9. All specifications are subject to change without notice.