



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-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 | | 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 | ○ | ○ | ○ | ✗ | ✗ | ✗ | ✗ | ○ | ○ | ○ | ○ | ○ | ○ | |
| GV-Loop Through Card Support | ○ | ○ | ○ | ✗ | ✗ | ✗ | ✗ | ○ | ○ | ○ | ○ | ○ | ○ | |
| GV-NET/IO Card Support | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| GV-I/O 12-In Card Support | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| GV-I/O 12-Out Card Support | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| 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: 120 x 65 mm; PCI-E: 120 x 82 mm | | | 120 X 112 mm | 179 X 99 mm | 179 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 | | | |
| VGA | ATI Radeon X600A / NVIDIA 6200 | | | | | | ATI Radeon X1300 PCI-E / NVIDIA GeForce 7300 PCI-E | | | | | | | |

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-4008 A X 2 | |
|------------------------------|------|--|----------------------------|--|--------------------------------|--|--|--|--|------------------------------|---------------------|---------------------|--------------------------------|---------|
| Interface | | PCI | | | PCI, PCI-E x1 | | | PCI-E x1 | | | | | | |
| Input Type | | BNC, D-Type | | D-Type | | BNC, D-Type | | DVI | | | D-Type, DVI | | | 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 | | ○ | ○ | ○ | ✗ | ✗ | ✗ | ✗ | ○ | ○ | ○ | ○ | ○ | |
| GV-Loop Through Card Support | | ○ | ○ | ○ | ✗ | ✗ | ✗ | ✗ | ○ | ○ | ○ | ○ | ○ | |
| GV-NET/I/O Card Support | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| GV-I/O 12-In Card Support | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| GV-I/O 12-Out Card Support | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ ¹ | |
| Hardware Watchdog | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| OS | | Minimum System Requirements | | | | | | | | | | | | |
| DirectX | | Windows XP (32-bit) / Vista (32-bit) / 7 (32-bit and 64-bit) / Server 2008 (32-bit and 64-bit) | | | | | | | | | | | | |
| 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 | | |
| VGA | | ATI Radeon X600A / NVIDIA 6200 | | ATI Radeon X1300 PCI-E / NVIDIA GeForce 7300 PCI-E | ATI Radeon X600A / NVIDIA 6200 | | | ATI Radeon X1300 PCI-E / NVIDIA GeForce 7300 PCI-E | | | | | | |

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