

GV-DVR SYSTEM V2

(S Series)

GV-2016S V2 / 2008S V2 / 1480S V2 /
1240S V2 / 1120S V2



- Powered by Intel® Core™2 Duo
- New rear panel design
- Dual Gigabit LAN ports
- GV-Keyboard and IR Remote Control included
- Built-in 4 Inputs and 4 Outputs
- Operates on Windows XP Embedded
- Recovery DVD in case of failure
- Available in 14 languages
- Complete product information and testing reference
- FCC/CE/RoHS/WEEE certification
- Global warranty

The GV-DVR V2 is a 4U rackmount DVR system equipped with GeoVision video software and hardware capture card and Windows XP Embedded within a robust chassis. It comes with an HDD of 3000GB (max) and 4 silent CPU cooling fans. The networking capability enables remote access and control of the system, while GeoVision high-end video compression technology allows superior transmission and video quality. The GV-DVR System V2 features 8 or 16 audio and video channels with a maximum of 480 FPS (NTSC) / 400 FPS (PAL) display rate. GV-2016S and GV-2008S models can reach full D1 resolution to fulfill high-profile security environment needs. Flexible combinations of specifications and accessories are provided to meet any installation need, e.g. enterprise, industry, retail, bank, government, casino, public utility, or even budget!

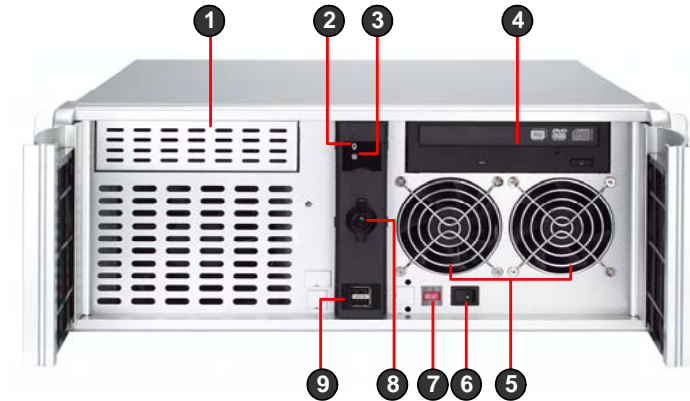
Package

1. GV-DVR System V2 x 1
2. D-Type Audio Cable x 2
(1 x 1-8 Channels Red Cable, 1 x 9-16 Channels Red Cable)
3. RJ-11 to DB9 Cable x 1
4. Lock Key x 2
5. AC Power Cord x 1
6. GV-Keyboard Package x 1
7. IR Remote Control Package x 1
8. Self-Stick Rubber Pad x 4
9. Recovery DVD x 1
10. Nero Express CD x 1
11. Surveillance System Software CD x 1
12. GV-DVR System V2 User's Manual x 1
13. GV-DVR System V2 Quick Start Guide x 1
14. Surveillance System New Feature Guide x 1
15. Surveillance System Installation Guide x 1

Models

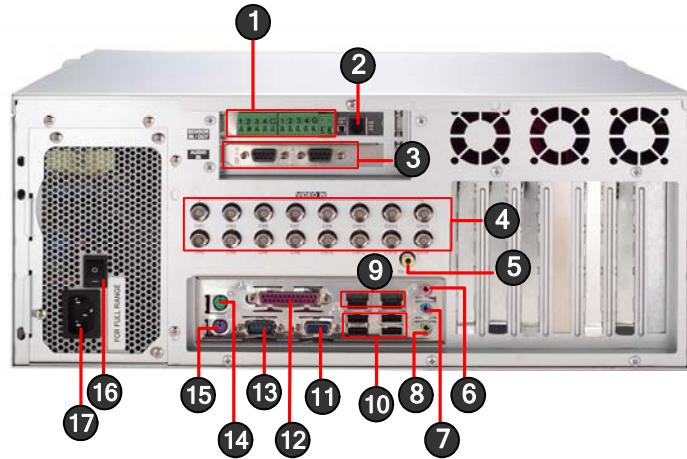
GV-2016S V2	<ul style="list-style-type: none"> - Sixteen-channel digital video recorder - Records up to 480 (NTSC) / 400 (PAL) fps at the D1 resolution - Has the option of 1600GB, 2000GB and 3000GB internal storage
GV-2008S V2	<ul style="list-style-type: none"> - Eight-channel digital video recorder - Records up to 240 (NTSC) / 200 (PAL) fps at the D1 resolution - Has the option of 1200GB, 1600GB and 2000GB internal storage
GV-1480S V2	<ul style="list-style-type: none"> - Sixteen-channel digital video recorder - Records up to 480 (NTSC) / 400 (PAL) fps at the CIF resolution - Has the option of 900GB, 1200GB and 1600GB internal storage
GV-1240S V2	<ul style="list-style-type: none"> - Eight-channel or sixteen-channel digital video recorder - Records up to 240 (NTSC) / 200 (PAL) fps at the CIF resolution - Has the option of 600GB, 1200GB and 1600GB internal storage
GV-1120S V2	<ul style="list-style-type: none"> - Sixteen-channel digital video recorder - Records up to 120 (NTSC) / 100 (PAL) fps at the CIF resolution - Has the option of 300GB, 600GB and 1200GB internal storage

Front View



1	5.25" Hard Disk Compartment	6	Power Switch
2	Power LED	7	Reset Button
3	Hard Drive Activity LED	8	Key Lock
4	DVD ± RW Drive	9	USB Port x 2
5	Fan x 2		

Rear View



1	RS-485 ± for PTZ Control	10	USB Port x 4
2	RJ-11 Port	11	VGA Monitor Port
3	D-Type Audio Port x 2	12	LPT Parallel Printer Port
4	BNC Connector x 16	13	DB-9 Serial Input
5	RCA TV Output	14	PS/2 Mouse Input
6	Audio Microphone In Port	15	PS/2 Keyboard Input
7	Audio Line In Port	16	AC Power Switch
8	Audio Line Out Port	17	AC Power Input (110-230V)
9	Ethernet Port x 2		

Basic System Specifications

System

Model	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2
CPU	Intel Pentium Core 2 Duo Processor				
RAM	2 GB Dual Channel	1 GB Dual Channel	1 GB Dual Channel		
HDD	1600 GB 2000 GB 3000 GB	1200 GB 1600 GB 2000 GB	900 GB 1200 GB 1600 GB	600 GB 1200 GB 1600 GB	300 GB 600 GB 1200 GB
OS	Microsoft Windows XP Embedded				
VGA	Intel GMA 3000				
DirectX	9.0c				
DVD (±) RW	16X				
Fan	Front: 3 fans				
Power	450 W, 110-230 V, 60-50 Hz				

* Multiple options for the HDD capacity, amount of RAM and type of VGA are available to meet different needs.

Video

Model	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2
Video Standard	NTSC, PAL				
Video Input	16 channels	8 channels	16 channels	8 / 16 channels	16 channels
Input Level	1.0 Vp-p (± 10%) composite, 75 Ω				
TV Output	1.0 Vp-p composite				
Video Loop Output (Optional)	16 channels	8 channels	16 channels	8 / 16 channels	16 channels
Compression	H/W: MPEG-2 / MPEG-4 (ASP)		Geo MPEG4 / Geo Mpeg4 (ASP) / Geo H264		
	S/W: Geo MPEG4 / Geo Mpeg4 (ASP) / Geo H264				
Display Frame (Max)	NTSC	480 FPS	240 FPS	480 FPS	
	PAL	400 FPS	200 FPS	400 FPS	
Display Resolution	NTSC	360 x 240 / 720 x 480 / 720 x 480 De-interlace		320 x 240 / 640 x 480 / 640 x 480 De-interlace / 720 x 480 / 720 x 480 De-interlace	
	PAL	360 x 288 / 720 x 576 / 720 x 576 De-interlace		320 x 240 / 640 x 480 / 640 x 480 De-interlace / 720 x 576 / 720 x 576 De-interlace	
Camera Name	Max. 32 characters				
Screen Split Control	1x1 / 2x2 / 1+5 / 1+7 / 3x3 / 2+8 / 1+12 / 1+16 / 4x4				
Screen Rotate Control	1 ~ 10 sec.				
Image Control	Contrast / Brightness / Saturation / Hue				

Audio

Model	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2
Audio Input	16 channels	8 channels	16 channels	8 / 16 channels	16 channels
Input Level	0.5 ~ 1 Vp-p composite				
Compression	ADPCM / G.723				

Recording

Model	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2	
Recording Frame	NTSC	H/W: 480 (D1)	H/W: 240 (D1)	S/W: 480 (CIF)	S/W: 240 (CIF)	S/W: 120 (CIF)
	PAL	H/W: 400 (D1)	H/W: 200 (D1)	S/W: 400 (CIF)	S/W: 200 (CIF)	S/W: 100 (CIF)
Image Compression Dimensions	NTSC	720 x 480 / 720 x 480 De-interlace		320 x 240 / 640 x 480 / 640 x 480 De-interlace / 720 x 480 / 720 x 480 De-interlace		
	PAL	720 x 576 / 720 x 576 De-interlace		320 x 240 / 640 x 480 / 640 x 480 De-interlace / 720 x 576 / 720 x 576 De-interlace /		
Recording Mode	Round the Clock / Motion Detection / Sensor Detection / Pre & Post Recording / Schedule Recording					
Schedule	96 groups per day by 15 min.					
Instant Playback	10 sec. / 30 sec. / 1 min. / 5 min.					
Pre Recording	1~ 90 sec. (1 FPS)					
Water Marking	Support					

Searching and Playback

Search Method	Date / Time
Date / Time / Event Search	Selectable on the tree list and calendar
Log Search	Through the log data to find the video event / time
Backup Type	DVD+R (DL) / DVD-R (DL) / DVD+R / DVD+RW / DVD-R / DVD-RW / CD-R / CD-RW

Remote Client Software

Monitoring Environment	WebCam / Twin Server / CenterV2 / VSM / Control Center / Remote Playback Server / Remote View / IP Multicast / GView for PDA / MSView for Microsoft Smartphone / SSView Version 2 for Symbian Smartphone / SSView Version 3 for Nokia S60 2 nd and 3 rd / 3G Mobile Phone
WebCam Live View	Max. 16 channels transmission (Max. 200 channels accessible)
Remote Search	WebCam's Remote Playback / Remote Playback Server

System Monitoring and Recovery

Power Restoration	Power restored after AC power loss
Monitoring	Two independent Watchdogs (Hardware Watchdog + Software Watchdog)
Recovery DVD	Automatic system rebuild

Alarm

Sensor Input	Standard	4 inputs
	GV-IO 12-In Card (Optional)	16 inputs
	GV-IO w/ GV-RELAY Box (Optional)	8 ~ 72 inputs
Alarm Output	Standard	4 outputs
	GV-IO 12-Out Card (Optional)	16 outputs
	GV-IO w/ GV-RELAY Box (Optional)	16 ~ 144 outputs
Motion Detection	16 channels	

Connector

Video Input	BNC 8 / 16 ports
Video Loop Output (Optional)	BNC 16 ports
Audio Input	RCA 8 / 16 ports
Audio Microphone In	Mini stereo jack
Audio Output	Mini stereo jack
TV Output	RCA
RS±485 for PTZ Control	2-pin terminal
Ethernet	RJ-45, 10/100/1000 Mbps x 2
USB 2.0	Front: 2 ports, Rear: 4 ports
VGA Output	15-pin female D Sub
Remote Access	TCP/IP

Environment

Operating Temp.	0 ~ 50 °C (32 ~ 122 °F)
Humidity	0 ~ 80% RH (non-condensing)

Physical

Model	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2
IPC Case	4U Rackmount				
Color	Silver				
Dimensions	483 (W) x 178 (H) x 528 (D) mm (19 x 7 x 21 inch)				
Weight	300GB				17 Kg
	600GB			17.6 Kg	17.6 Kg
	900GB		18.2Kg		
	1200GB	18.9 Kg	18.8 Kg	18.8 Kg	18.8 Kg
	1600GB	19.2 Kg	19 Kg	18.9 Kg	18.9 Kg
	2000GB	19.3 Kg	19.1 Kg		
3000GB	19.5 Kg				

Language

Type	English / Czech / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese (Brazil) / Russian / Spanish / Simplified Chinese / Traditional Chinese
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PTZ Support

	PTZ Manufacturer & Model	GV-System PTZ Option
1	Ademco (Juptier)	Ademco (Juptier)
2	Bosch (TC700/8560)	Bosch (TC700/8560)
3	Canon VC-C3	VCC3
4	Canon VC-C4	VCC4
5	CBC GANZ (ZC-S120 Series)	CBC GANZ (ZC-S120 Series)
6	Chiper (V9KRV)	Chiper (V9KRV)
7	D-Max Version Protocol	D-Max Dome
8	DiGi Dome (DOH-240)	DongYang Dome (DOH-240) / D-Max Dome
9	Direct Perception (PTU-D46)	Direct Perception (PTU Series)
10	DynaColor D-7720	DynaColor (D-7720/D7722) / DynaColor Dome
11	DynaColor D-7722	DynaColor Dome
12	DynaColor Version Protocol	DynaColor Dome
13	Elbex (Matrix/1000)	ELBEX (Matrix/1000)
14	Elitar (EL-PT830)	Pelco Dome
15	GKB (SPD-221)	GKB (SPD-221)
16	Hi-Sharp (HS-CC600)	HiSharp Pelco D
17	Hi-Sharp (HS-CC610)	HiSharp Pelco P
18	JEC Version Protocol	JEC Dome
19	JEC (ETXK8000)	Pelco Dome / JEC Dome
20	JVC (TK-S576B/S655)	JVC (TK-S5768B/S655)
21	Kalatel Cyber Dome with KTD-312	Kalatel Cyber Dome
22	Kampro 230X CCD Zoom Camera (GE Security)	Pelco Dome
23	Kampro Technology (K-ZC23)	Kampro Technology (K-ZC23)
24	Kenko (DMP23-H1)	Kenko (DMP23-H1)
25	LiLin PIH-7000 (17X)	Lilin (PIH)
26	LiLin PIH-7600 (22X)	Lilin (PIH)
27	LiLin PIH-7600PL	Lilin (PIH)
28	LiLin PIH-7625 (25X)	Lilin (PIH)
29	LG (LPT-OS553HQ)	LG (LPT-OS553HQ)
30	Mintron (54G2AHN/P)	Mintron
31	MESSOA (SDS600 Series)	MESSOS (SDS600 Series)
32	Minking Version Protocol	Minking Dome
33	Mintron (54G2AHN/P)	Mintron (54G2SHN/P)
34	MZC (IR6018DN)	Pelco Dome
35	NanWang (NVD 2300PNT)	NanWang (NVD 2300PNT)
36	Panasonic WV-CS850	Panasonic (WV-CS850)
37	Panasonic WV-CS854	Panasonic (WV-CS850)

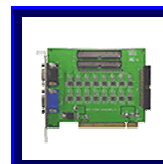
38	PTZ in I/O	PTZ in I/O
39	Pelco/P-version Protocol	Pelco Dome
40	Pelco/D-version Protocol	Pelco Dome
41	Pelco (Spectra III)	Pelco (Spectra III)
42	SAE (DR-E588)	SAE (DR-E588)
43	Samsung (SPD-1600)	Samsung (SPD-1600)
44	Samsung (SPD-3300)	Samsung (SPD-3300)
45	Samsung (SCC-641)	Samsung (SCC-641/643)
46	Samsung (SCC-643)	Samsung (SCC-641/643)
47	Sensormatic (Ultra IV)	Sensormatic (Ultra IV)
48	Sony EVI-D100	Sony (EVI-D100)
49	Sony EVI-D100T	Sony (EVI-D100)
50	TOA (CC551)	TOA (CC551)
51	VIDO Dome	VIDO Dome
52	YAAN Version Protocol	YAAN Dome
53	Yoko (YK-2E00)	Pelco Dome

Note:

This list is limited to the original models from the company mentioned above. Any third-party camera models, even claiming of the same protocol compatibility, may or may not work properly with GV-System. GeoVision takes no responsibility of such incompatibility.

GeoVision Optional Products

Optional devices can expand your GV-DVR's capabilities and versatility. Contact your dealer or go to GeoVision web-site for more information.



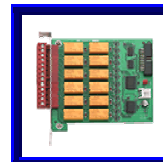
GV-Video Loop Through Card

This card can take the video signal from the GV-DVR and then split it into 16 signals while maintaining video quality. It can meet the need for multiple spot monitors.



GV-IO 12-In Card V3

With 12 digital inputs, the GV-IO 12-In Card is designed to work with the GV-NET/IO Card to provide an interface for your external devices such as sensors and detectors.



GV-IO 12-Out Card

With 12-point relay outputs, this card can expand the GV-DVR up to 16 alarm outputs.



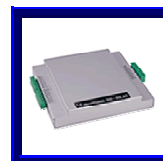
GV-Multi Quad Card

With this card, the GV-DVR can connect up to 5 TV screens. The screen divisions on the TV screens can be definable.



GV-I/O Box V2

The GV-I/O Box provides 16 inputs and 16 relay outputs. The new version of GV-I/O Box supports both DC and AC output voltages, and provides a USB port as well.



GV-RELAY Box

With 8-point relay outputs, this unit must be used in combination with GV-I/O Box. Up to 2 GV-RELAY Boxes can connect to 1 GV-I/O Box, highly expanding the GV-DVR's I/O capability.



GV-Data Capture V3 /V3E

GV-Data Capture V3 can integrate the GV-DVR to an electronic POS system, while GV-Data Capture V3E can establish such integration through LAN or Internet.



GV-Hub

An easy way for serial port extension. This hub can add 4 RS-232/RS-485 serial ports through the GV-DVR's USB port.



GV-COM

This unit can add 1 RS-232/RS-485 serial port through the GV-DVR's USB port.

Other Optional Products

HDD	Multiple options for the HDD capacity are available to meet different needs.
VGA Card	With the VGA card, the dual display for monitoring and playback is made possible.
RAM	Multiple options for the amount of RAM are available to meet different needs.
GV-DOM (Disk on Module)	GV-DOM, a solid-state hard drive, is used for operating system and system software to get higher performance under harsh conditions.

Language

English / Czech / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese (Brazil) / Russian / Spanish / Simplified Chinese / Traditional Chinese

Warranty

2 Years

Order Information

Model	Item	GV-2016S V2	GV-2008S V2	GV-1480S V2	GV-1240S V2	GV-1120S V2
Default	HDD (GB)	1600 /	1200 /	900 /	600 /	300 /
		2000 /	1600 /	1200 /	1200 /	600 /
		3000	2000	1600	1600	1200
Default	VGA	Single Output	Single Output	Single Output	Single Output	Single Output
	RAM	2GB	1GB	1GB	1GB	1GB
		Dual Channel	Dual Channel	Dual Channel	Dual Channel	Dual Channel
Other Optional Products	HDD (Total GB)	No	3000	2000 / 3000	2000 / 3000	2000 / 3000
	VGA	Dual Output	Dual Output	Dual Output	Dual Output	Dual Output
	RAM (Total)	No	2GB	2GB		
	GV-DOM (Disk On Module)	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
GeoVision Optional Products	GV-Video Loop Through Card	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-IO 12-In Card	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-IO 12-Out Card	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-Multi Quad Card	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-I/O Box	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-Relay Box	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-Data Capture	V3 / V3E	V3 / V3E	V3 / V3E	V3 / V3E	V3 / V3E
	GV-Hub	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
GV-Com	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	

Note:

* GV-DVR Systems V2 comes with default specifications with standard price list.

** All the optional products shown on the table can be ordered separately, you need to contact your dealer or sales representative for pricing and ordering of optional products.

*** The purchased optional products will be added on the GV-DVR V2 before shipment.

* Product design and specifications are subject to change without prior notice.

* All brand names are registered trademarks referred are the properties to their respective owners.

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