

GV-HOT SWAP DVR SYSTEM V3 (H Series)

GV-2016H V3 / 2008H V3 / 1480H V3 /
1240H V3/ 1120H V3/ GV-NVRH V3



- Powered by Intel® Core™2 Quad
- Dual Gigabit LAN ports
- 2 / 4 / 6 / 8 /10 hot-swappable SATA HDD for data storage
- RAID data protection (optional) for 8 & 10-bay models *
- Maximum storage capacity of more than 10 terabytes
- Built-in 4 Inputs and 4 Outputs **
- Recovery DVD in case of failure
- Compatible with full selections of GeoVision accessories
- User-friendly software interface

*Only for 8 & 10-bay models

**Not available for 2-bay models

The GV-Hot Swap DVR System V3 features a powerful data storage capacity. It comes with a selection of 2, 4, 6, 8 or 10 bays via hot-swappable SATA mobile racks. Depending on HDD size, the GV-Hot Swap DVR System V3 can reach the maximum storage capacity of 10 terabytes. Support for hot-swapping makes data storage and management more convenient.

GeoVision Surveillance System empowers the GV-Hot Swap DVR System V3 with a maximum of 16 audio and video channels, and a recording rate of up to 480 FPS (NTSC) / 400 FPS (PAL). The remote access and control of the system is made possible by its networking capability. Additionally, its compatibility with other GeoVision accessories can cater to any kind of needs or budget. By extending the compatibility to the third-party IP devices, both GeoVision Surveillance System and GV-NVR, the software-based surveillance system, provide a pure IP solution to GV-Hot Swap DVR System V3.

Package

1. GV-Hot Swap DVR System V3 x 1
2. D-Type Audio Cable x 2 *
(1 x 1-8 Channels Red Cable, 1 x 9-16 Channels Red Cable)
3. AC Power Cord x 1
4. RJ-11 to DB9 Cable x 1 *
5. Lock Key x 2
6. GV-Keyboard Package x1
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-Hot Swap DVR System V3 User's Manual x 1
13. GV-Hot Swap DVR System V3 Quick Start Guide x 1
14. Surveillance System New Feature Guide x 1
15. Surveillance System Installation Guide x 1

* Not available for GV-NVRH V3

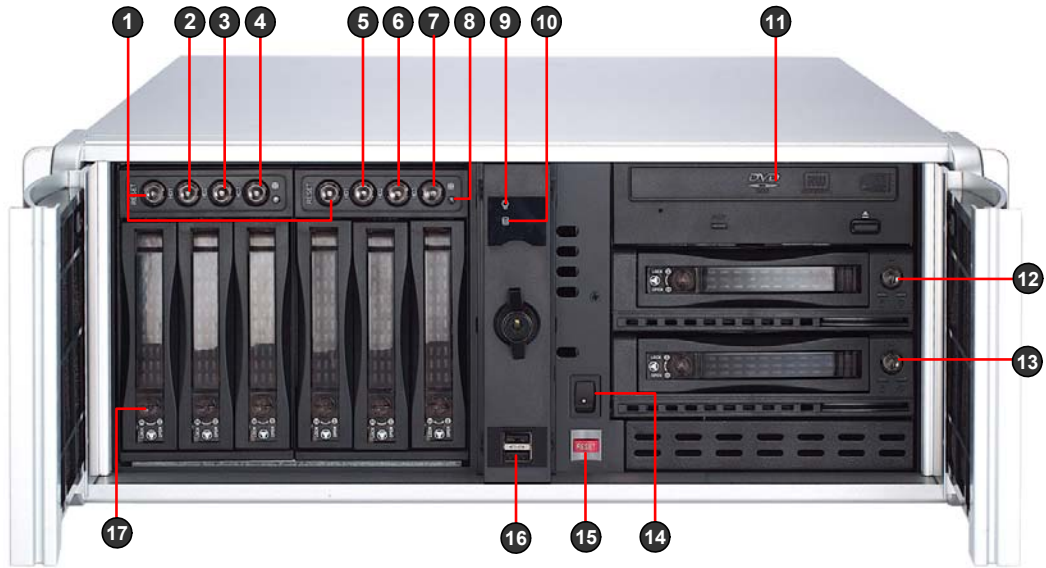
Models

GV-2016H V3	<ul style="list-style-type: none"> - 16-channel digital video recorder - Records up to 480 (NTSC) / 400 (PAL) fps at the D1 resolution - Has the option of 4 / 6 / 8 / 10 hot-swap SATA drive bays
GV-2008H V3	<ul style="list-style-type: none"> - 8-channel digital video recorder - Records up to 240 (NTSC) / 200 (PAL) fps at the D1 resolution - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays
GV-1480H V3	<ul style="list-style-type: none"> - 16-channel digital video recorder - Records up to 480 (NTSC) / 400 (PAL) fps at the CIF resolution - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays
GV-1240H V3	<ul style="list-style-type: none"> - 8-channel or 16-channel digital video recorder - Records up to 240 (NTSC) / 200 (PAL) fps at the CIF resolution - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays
GV-1120H V3	<ul style="list-style-type: none"> - 16-channel digital video recorder - Records up to 120 (NTSC) / 100 (PAL) fps at the CIF resolution - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays
GV-NVRH V3	<p>NVR (GV)</p> <ul style="list-style-type: none"> - 4 / 8 / 12 / 16-channel digital video recorder - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays - Extends compatibility to GeoVision IP devices only <p>NVR</p> <ul style="list-style-type: none"> - 1 / 2 / 4 / 6 / 8 / 10 / 12 / 16-channel digital video recorder - Has the option of 2 / 4 / 6 / 8 / 10 hot-swap SATA drive bays - Extends compatibility to both third-party IP devices and GeoVision IP devices

Note: The 2-bay and 10-bay models of GV-Hot Swap DVR V3 are available upon special request with longer lead time. Please contact your sales representative for further information.

Important: A necessary dongle used to run GV-NVRH V3 is internally inserted.

Front Panel View



1	SATA Backplane Reset Switch	10	Hard Drive Activity LED
2	HDD 1 (Power Switch)	11	DVD (±) RW Drive
3	HDD 2 (Power Switch)	12	HDD 7 (Power Switch)
4	HDD 3 (Power Switch)	13	HDD 8 (Power Switch)
5	HDD 4 (Power Switch)	14	Power Switch
6	HDD 5 (Power Switch)	15	Reset Button
7	HDD 6 (Power Switch)	16	USB Port x 2
8	Fan Sensor LED	17	Safety Lock
9	Power LED		

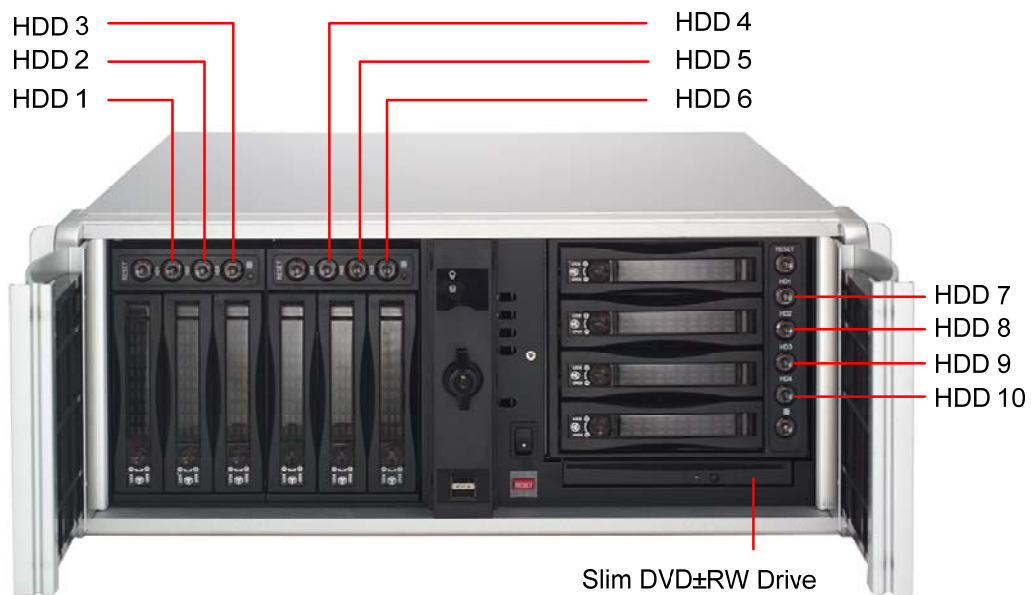
All 2-bay and 10-bay models of GV-Hot Swap DVR V3 are equipped with slim DVD±RW drives, while the sizes of DVD±RW drives on the 4-bay, 6-bay and 8-bay models are 5.25 inch. The locations of the DVD±RW drives on the front panel of 2-bay and 10-bay models are different from those on the other models.

The front panels presented below are of the 2-bay and 10-bay models, and they indicate the locations of the slim DVD±RW drives. For the detailed features on the front panel, please refer to Figure 1.

2-Bay Models



10-Bay Models



LED Panel View

A LED panel on the front door provides a quick indication of the activity status of hard disk drives.



LED Color	Description
Gray	- No HDD is assigned to this LED. - GV-System is not started.
Green	A HDD is assigned to this LED.
Red	The HDD is full.
Flashing Green	GV-System is recording or the video / audio files are played back with ViewLog.
Flashing Red	The HDD is recycling.
Flashing Green and Red	The operating system or GV-System freezes.

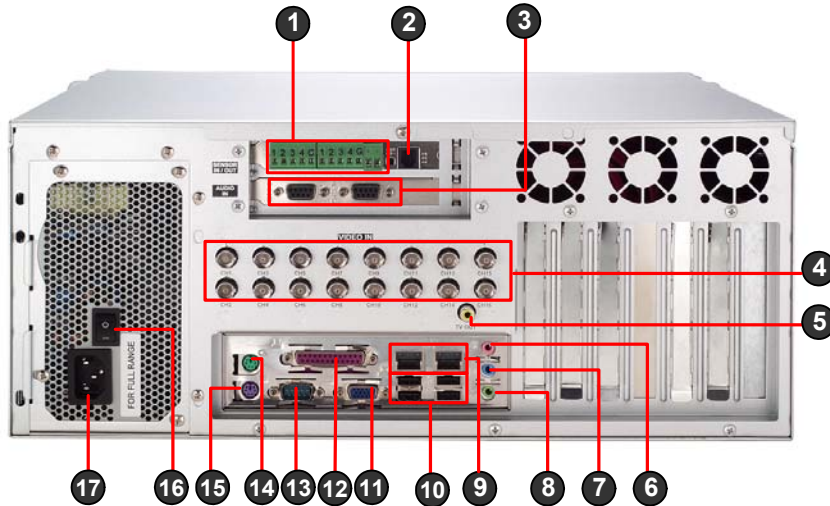
Note:

1. When the GV-System or Hot Swap HDD Tool is closed, the LEDs do not change their colors even if the status of HDDs change.
2. The LED panel is not available to the 2-bay models.

Rear View

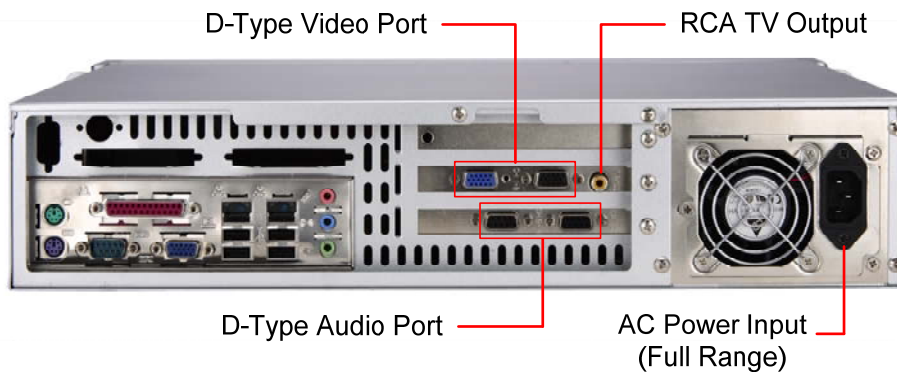
GV-2016H V3 / GV-2008H V3 / GV-1480H V3 / GV-1240H V3 / GV-1120H V3

4-Bay / 6-Bay / 8-Bay / 10-Bay Models



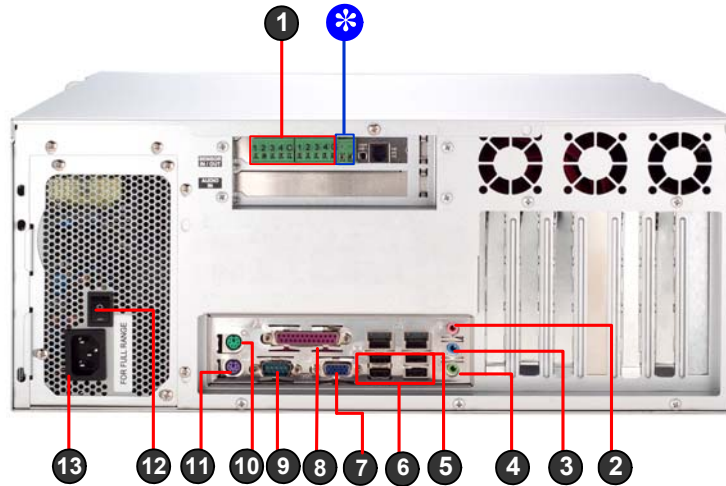
1	I/O and RS-485± Terminal Block	10	USB Port x 4
2	RJ-11 Port	11	VGA Monitor Port
3	D-Type Audio Port x 2	12	LPT Parallel Printer Port
4	BNC Connector x 16	13	DB-9 Serial Input
5	RCA TV Output	14	PS/2 Mouse Input
6	Audio Microphone In Port	15	PS/2 Keyboard Input
7	Audio Line In Port	16	AC Power Switch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

2-Bay Models



GV-NVRH V3

4-Bay / 6-Bay / 8-Bay / 10-Bay Models



1	I/O Terminal Block	8	LPT Parallel Printer Port
2	Audio Microphone In Port	9	DB-9 Serial Input
3	Audio Line In Port	10	PS/2 Mouse Input
4	Audio Line Out Port	11	PS/2 Keyboard Input
5	Ethernet Port x 2	12	AC Power Switch
6	USB Port x 4	13	AC Power Input (Full Range)
7	VGA Monitor Port	*	RS-485± Terminal Block (Not Functional)

2-Bay Models



AC Power Input
(Full Range)

Specifications

System

Model	GV-2016H V3	GV-2008H V3	GV-1480H V3	GV-1240H V3	GV-1120H V3	GV-NVRH V3
CPU	Intel Pentium Core 2 Quad Processor					
RAM	2 GB Dual Channel					
Drive Bay	4 / 6 / 8 / 10 bays	2 / 4 / 6 / 8 / 10 bays				
OS	Microsoft Windows XP Embedded					
VGA	Intel GMA 3000					
DirectX	9.0c					
DVD (±) RW	5.25"	20X				
	Slim	8X				
Fan	2	2-bay, 4-bay and 6-bay models				
	4	8-bay and 10-bay models				
Power	430 W, 100-240 V, 50-60 Hz, 80 PLUS certified					

Note: Multiple options for the HDD capacity, amount of RAM and type of VGA are available to meet different needs. Please contact your dealer or sales representative for further information.

Video (GV-2016H V3 / GV-2008H V3 / GV-1480H V3 / GV-1240H V3 / GV-1120H V3)

Model	GV-2016H V3	GV-2008H V3	GV-1480H V3	GV-1240H V3	GV-1120H V3
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				
Compression	H/W: MPEG-2 / MPEG-4 (ASP)		Geo MPEG4		
	S/W: Geo MPEG4 / Geo MPEG4 (ASP) / Geo H264 / Geo H264 V2		Geo MPEG4 (ASP) Geo H264 Geo H264 V2		
Display Frame (Max)	NTSC	480 FPS	240 FPS	480 FPS	
	PAL	400 FPS	200 FPS	400 FPS	
Display Resolution	NTSC	720 x 480 / 720 x 480 De-interlace		320 x 240 / 360 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 / 360 x 288 640 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 (GV-2016H V3 / GV-2008H V3 / GV-1480H V3 / GV-1240H V3 / GV-1120H V3)

Model	GV-2016H V3	GV-2008H V3	GV-1480H V3	GV-1240H V3	GV-1120H V3
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 (GV-2016H V3 / GV-2008H V3 / GV-1480H V3 / GV-1240H V3 / GV-1120H V3)

Model	GV-2016H V3	GV-2008H V3	GV-1480H V3	GV-1240H V3	GV-1120H V3	
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 / 360 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 / 360 x 288 640 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					

Video and Audio (GV-NVRH V3)

Model	GV-NVRH V3 (GV)	GV-NVRH V3
Video Input	4, 8, 12, 16 channels	1, 2, 4, 6, 8, 10, 12, 16 channels
Audio Input	4, 8, 12, 16 channels	1, 2, 4, 6, 8, 10, 12, 16 channels

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 V2 for PDA / MSView V2 for Windows Mobile 5.0 / MSView V3 for Windows Mobile 6.0 / SSView V2 for Symbian Smartphone / SSView V3 for Nokia S60 2nd and 3rd / 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 USB Box (Optional)	8 ~ 72 inputs (with GV-System version 8.1.2.0 or earlier)
16 ~ 144 inputs (with GV-System version 8.2.0.0 or later)		
Alarm Output	Standard	4 outputs *
	GV-IO 12-Out Card (Optional)	16 outputs
	GV-IO USB Box (Optional)	16 ~ 144 outputs (with GV-System of version V8.1.2.0 later)
Motion Detection	16 channels	

Note: The functions with star marks * are not available to the 2-bay models.

Connector

(GV-2016H V3 / GV-2008H V3 / GV-1480H V3 / GV-1240H V3 / GV-1120H V3)

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

Networking (GV-NVRH V3)

Model	GV-NVRH V3 (GV)	GV-NVRH V3
Type	TCP/ IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN	

Environment

Operating Temp.	0 ~ 45 °C (32 ~ 113 °F)
Humidity	0 ~ 80% RH (non-condensing)

Physical

Model		GV-2016HV3	GV-2008HV3	GV-1480HV3	GV-1240HV3	GV-1120HV3	GV-NVRHV3
IPC Case		4U Rackmount					
Color		Silver					
Dimensions	2 Bays	483 (W) x 89 (H) x 528 (D) mm (19 x 3.5 x 21 inch)					
	4 / 6 / 8 / 10 Bays	483 (W) x 178 (H) x 528 (D) mm (19 x 7 x 21 inch)					
Weight	2 Bays	14.1 Kg / 31.09 lbs				14 Kg / 30.86 lbs	
	4 Bays	18.1 Kg/39.9lbs	17.9Kg/39.46lbs	17.8 Kg / 39.24lbs		17.7Kg/39.02 lbs	
	6 Bays	18.9Kg/41.67lbs	18.7Kg/41.23lbs	18.6 Kg / 41.01lbs		18.5Kg/40.79lbs	
	8 Bays	19.9Kg/43.87lbs	19.7Kg/43.43lbs	19.6 Kg / 43.21 lbs		19.5Kg/42.99lbs	
	10 Bays	19.8Kg/43.65lbs	19.6Kg/43.21lbs	19.5 Kg / 42.99 lbs		19.5Kg/42.99lbs	

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 EverFocus (EPTZ 1000 / 500)	EverFocus (EPTZ 1000 / 500)
16 GKB (SPD-221)	GKB (SPD-221)
17 Hi-Sharp (HS-CC600)	HiSharp Pelco D
18 Hi-Sharp (HS-CC610)	HiSharp Pelco P
19 JEC Version Protocol	JEC Dome
20 JEC (ETXK8000)	Pelco Dome / JEC Dome
21 JVC (TK-S576B/S655)	JVC (TK-S5768B/S655)
22 Kalatel Cyber Dome with KTD-312	Kalatel Cyber Dome
23 Kampro 230X CCD Zoom Camera (GE Security)	Pelco Dome
24 Kampro Technology (K-ZC23)	Kampro Technology (K-ZC23)
25 Kenko (DMP23-H1)	Kenko (DMP23-H1)
26 LiLin PIH-7000 (17X)	Lilin (PIH)
27 LiLin PIH-7600 (22X)	Lilin (PIH)
28 LiLin PIH-7600PL	Lilin (PIH)
29 LiLin PIH-7625 (25X)	Lilin (PIH)
30 LG (LPT-OS553HQ)	LG (LPT-OS553HQ)
31 MESSOA (SDS600 Series)	MESSOS (SDS600 Series)
32 MESSOA (D700 Series)	MESSOA (D700 Series)
33 Minking Version Protocol	Minking Dome
34 Mintron (54G2AHN/P)	Mintron (54G2SHN/P)
35 MZC (IR6018DN)	Pelco Dome
36 NanWang (NVD 2300PNT)	NanWang (NVD 2300PNT)
37 Panasonic WV-CS850	Panasonic (WV-CS850)

38	Panasonic WV-CS854	Panasonic (WV-CS850)
39	Panasonic WV-CW960	Panasonic WV-CW960
40	PTZ in I/O	PTZ in I/O
41	Pelco/P-version Protocol	Pelco Dome
42	Pelco/D-version Protocol	Pelco Dome
43	Pelco (Spectra III)	Pelco (Spectra III)
44	Pelco Spectra Mini Dome (SD4-WD)	Pelco Spectra Mini Dome (SD4-WD)
45	SAE (DR-E588)	SAE (DR-E588)
46	Pishion 22X	Pishion 22X
47	Samsung (SPD-1600)	Samsung (SPD-1600)
48	Samsung (SPD-3300)	Samsung (SPD-3300)
49	Samsung (SCC-641)	Samsung (SCC-641/643)
50	Samsung (SCC-643)	Samsung (SCC-641/643)
51	Sensormatic (Ultra IV)	Sensormatic (Ultra IV)
52	Sony EVI-D100	Sony (EVI-D100)
53	Sony EVI-D100T	Sony (EVI-D100)
54	TOA (CC551)	TOA (CC551)
55	VCC50i	VCC50i
56	VIDO Dome	VIDO Dome
57	YAAN Version Protocol	YAAN Dome
58	Yoko (YK-2E00)	Pelco Dome



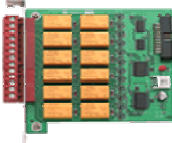





Note: This list is limited to the original models from the company mentioned above. Any third-party camera models, even claiming of the same protocol compatibility, may or may not work properly with GV-System. GeoVision takes no responsibility of such incompatibility.

Supported IP Devices (GV-NVRH V3)

Model	GV-NVRH V3 (GV)	GV-NVRH V3
GeoVision	GV-IP Camera, GV-Video Server, GV-Compact DVR	
Arecont Vision		AV1300, AV2100, AV3100, AV5100
IQinvision		IQEye 301, IQEye 302, IQEye 510, IQEye 511, IQEye 701, IQEye 702
JVC		VN-C20U, VN-C205U, VN-C215U, VN-C625U, VN-C655U
Mobotix		Mobotix M12
Panasonic		BB-HCM110, BB-HCM311, BB-HCM331, BB-HCM371, BB-HCM381, BB-HCM403, BB-HCE481A, BL-C10, BL-C30
SONY		SNC CS10, SNC CS11, SNC CS50N, SNC CS50P, SNC DF40N, SNC DF40P, SNC DF50N, SNC DF50P, SNC DF70N, SNC DF70P, SNC DF80N, SNC DF80P, SNC P1, SNC P5, SNC RX550N, SNC RX550P, SNC RZ25N, SNC RZ25P, SNC RZ50N, SNC RZ50P

Optional Products

Optional devices can expand your GV-Hot Swap DVR V3's capabilities and versatility. Contact your dealer or go to GeoVision website for more information.

	<p>GV-Video Loop Through Card</p> <p>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.</p>
	<p>GV-IO 12-In Card</p> <p>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.</p>
	<p>GV-IO 12-Out Card</p> <p>With 12-point relay outputs, this card can expand the GV-DVR up to 16 alarm outputs.</p>
	<p>GV-Multi Quad Card</p> <p>With this card, the GV-DVR can connect up to 5 TV screens. The screen divisions on the TV screens can be definable.</p>
	<p>GV-I/O USB Box</p> <p>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.</p>
	<p>GV-Data Capture Box Series</p> <p>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.</p>
	<p>GV-Hub Box</p> <p>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.</p>
	<p>GV-COM Box</p> <p>This unit can add 1 RS-232/RS-485 serial port through the GV-DVR's USB port.</p>



GV-Joystick

GV-Joystick facilitates the PTZ camera control. It can be either plugged into the GV-DVR for independent use or connected to GV-Keyboard to empower the operation. However, this device can only work on GV-System version 8.2 or later.

RAID Controller (0 / 1 / 5 / 6)

The RAID Controller supports a maximum of 10 SATA hard drives and enhances data protection. The supported RAID types include RAID 0, RAID 1, RAID 5 and RAID 6. This card is only available in the 8-bay and 10-bay GV-Hot Swap DVR V3.

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.

Hard Disk

Multiple options for the HDD capacity 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.

AVP Dongle

Internally inserted to the GV-Hot Swap DVR V3, the AVP Dongle provides the functions of advanced video analysis in GV-System: Panorama View, Video Stabilizer and Defogging.

Language

English / Czech / Danish / Dutch (Netherlands) / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese (Brazil) / Russian / Serbian / Spanish / Simplified Chinese / Traditional Chinese / Thai

Warranty

2 Years

Order Information

Model	Item	GV-2016H V3	GV-2008H V3	GV-1480H V3	GV-1240H V3	GV-1120H V3	GV-NVRH V3
Default	Bay	4 / 6 / 8 / 10	2 / 4 / 6 / 8 / 10	2 / 4 / 6 / 8 / 10	2 / 4 / 6 / 8 / 10	2 / 4 / 6 / 8 / 10	2 / 4 / 6 / 8 / 10
	VGA	Single Output	Single Output	Single Output	Single Output	Single Output	Single Output
	RAM	2 GB Dual Channel					
Other Optional Products	HDD (GB) 2 Bay 4 Bay 6 Bay 8 Bay 10 Bay	You can choose the number of HDDs and HDD capacity of 320 GB, 400 GB, 500 GB, 750 GB or 1 TB (1000 GB). The maximum number of the HDDs is based on the number of the drive bays equipped on the system.					
	VGA	Dual Output	Dual Output	Dual Output	Dual Output	Dual Output	Dual Output
	RAID Controller	8 Bay	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6
		10 Bay	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6	0 / 1 / 5 / 6
	GV-DOM (Disk On Module)	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	AVP Dongle	Yes / No	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	N/A
	GV-IO 12-In Card *	Yes / No	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	Yes / No
	GV-Multi Quad Card *	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	N/A
	GV-I/O USB Box	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-Data Capture Box	V3 / V3E	V3 / V3E	V3 / V3E	V3 / V3E	V3 / V3E	V3 / V3E
	GV-Hub Box	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-COM Box	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
	GV-Joystick	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No

* 2 bays N/A

Note:

1. GV-Hot Swap DVR Systems V3 comes with default specifications with standard price list.
2. All optional products shown in the table can be ordered separately, you need to contact your dealer or sales representative for pricing and ordering of optional products.
3. The purchased optional products will be added on the GV-Hot Swap DVR V3 before shipment.

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

* All other brand names and registered trademarks are the properties of their respective owners.

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