



Comparison Chart for GV-DVR / NVR System V5



Model	GV-NVR System Lite V2 (Rev. B)	GV-Tower System
		
System		
Form Factor	Desktop	Tower
Hybrid	NVR only	DVR / NVR / Hybrid
Video Capture Card	N/A	GV-5016 x 1
Analog Inputs	N/A	16 (DVR / Hybrid)
CPU	Intel Processor	Intel Core i3 or i5 Processor
RAM	2 GB	4 GB Dual Channels
OS	64-bit Windows 7 Embedded SP1	
No. of HDD	N/A	4 (3.5" HDD)
Internal Storage	1 TB or 1.5 TB (2.5" HDD)	16 (DOM) for Core i3 or 32 GB (DOM) for Core i5
Extended Storage Interface	USB (2.0) x 3 USB (3.0) x 1	USB (2.0) x 6
Dual Display	VGA and HDMI	VGA and HDMI
Gigabit LAN	1	2
DVD (±) RW	N/A *	
RAID	N/A	
Power	Output: 65 W, 19 V, 3.42 A; Input: 100 ~ 240 V, 50 ~ 60 Hz	Output: 120 W; Input: 100 ~ 230 V, 47 ~ 63 Hz
Sensor/Alarm		
Input/Output	Optional	
Environment		
Operating Temperature	0 °C ~ 35 °C / 32 °F ~ 95 °F	0 °C ~ 45 °C / 32 °F ~ 113 °F
Anti-shock / Vibration	N/A	
Physical		
Weight	800 g / 1.77 lb	6.3 kg / 13.8 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	153.6 x 25.2 x 172.6 mm / 6.04 x 0.99 x 6.8 in	260 x 140 x 260 mm / 10.24 x 5.51 x 10.24 in
Software		
Total Display Rate (Max.)	CIF ~ D1: 480 fps 1.3 MP: 240 fps 2 ~ 5 MP: 160 fps	CIF ~ 2 MP: 960 fps 3 ~ 4 MP: 480 fps 5 MP: 320 fps
Total Recording Rate (Max.)	CIF ~ D1: 480 fps 1.3 MP: 240 fps 2 ~ 5 MP: 160 fps	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 4 MP: 480 fps 5 MP: 320 fps
Remote Live View	IE, Chrome, Firefox and Safari	
Mobile Monitoring	iOS / Android	
Recovery	Auto System Rebuilt from internal HDD	Auto System Rebuilt from internal HDD
Language	29 **	
License		
Free License	16-CH GV-IP Cameras	32-CH GV-IP Cameras
Max. License	8-CH 3rd-party IP Cameras	32-CH 3rd-party IP Cameras

All specifications are subject to change without notice.

* For data backup, you can connect an external USB DVD / CD burner.

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Model	GV-MNVR1000 System	GV-MNVR2100 System
		
System		
Form Factor	Mobile NVR	
Hybrid	NVR only	
Video Capture Card	N/A	
Analog Inputs	N/A	
CPU	Intel Atom Processor	Intel Core i3 Processor
RAM	2 GB Single Channel	4 GB Dual Channels
OS	64-bit Windows 7 Embedded SP1	
No. of Drive Bay	1 (2.5" HDD / SSD)	2 (2.5" HDD / SSD)
Internal Storage	32 GB (CFast Card)	
Extended Storage Interface	USB (2.0) x 2 USB (3.0) x 1	USB (2.0) x 2 USB (3.0) x 2
Dual Display	VGA and DisplayPort	
Gigabit LAN	2	
DVD (±) RW	N/A *	
RAID	N/A	
Power	10 ~ 35V DC	10 ~ 35V DC
Sensor/Alarm		
Input/Output	Optional	
Environment		
Operating Temperature	0°C ~ 60°C / 32°F ~ 140°F	
	HDD	SSD
	-30°C ~ 70°C / -22°F ~ 158°F	-30°C ~ 60°C / -22°F ~ 140°F
Anti-shock / Vibration	Yes	
Physical		
Weight	2.1 kg / 4.63 lb (± 1 kg / 2.2 lb)	2.5 kg / 5.51 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	260 x 50 x 176 mm / 10.24 x 1.97 x 6.93 in	260 x 79.5 x 206 mm / 10.24 x 3.13 x 8.11 in
Software		
Total Display Rate (Max.)	1 MP: 600 fps 2 MP: 510 fps 3 MP: 480 fps 5 MP: 160 fps	1 MP: 930 fps 2 MP: 750 fps 3 MP: 640 fps 5 MP: 320 fps
Total Recording Rate (Max.)	1 MP: 600 fps 2 MP: 510 fps 3 MP: 480 fps 5 MP: 160 fps	1 MP: 930 fps 2 MP: 750 fps 3 MP: 640 fps 5 MP: 320 fps
Remote Live View	IE, Chrome, Firefox and Safari	
Mobile Monitoring	iOS / Android	
Recovery	Auto System Rebuilt from internal HDD	Auto System Rebuilt from internal HDD
Language	29 **	
License		
Free License	24-CH GV-IP Cameras	32-CH GV-IP Cameras
Max. License	24-CH 3rd-party IP Cameras	32-CH 3rd-party IP Cameras

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Model	GV-Hot Swap System V5 (Rev. B) 3U (8-Bay)	GV-Hot Swap System V5 (Rev. B) 3U (16-Bay)	GV-Hot Swap System V5 (Rev. B) 4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
Hybrid	DVR / NVR / Hybrid		
Video Capture Card	GV-SDI-204 / GV-5016 / GV-3008 / GV-1480B / GV-1240B / GV-1120B / GV-900A / GV-800B		
Analog Input	4 / 8 / 16 / 32 (DVR / Hybrid)		
CPU	Intel Core i7 Processor (All models except GV-3008H V5) or AMD 6-Core Processor (GV-3008H V5)		
RAM	4 GB Dual Channels		
OS	64-bit Windows 7 Embedded SP1		
No. of HDD	8 (3.5" HDD)	16 (3.5" HDD)	20 (3.5" HDD)
Internal Storage	500 GB (3.5" HDD)	500 GB (2.5" HDD)	500 GB (3.5" HDD)
External Storage Interface	USB (2.0) x 4, USB (3.0) x 4 – except GV-3008H V5 USB (2.0) x 6, USB (3.0) x 2 – GV-3008H V5		
Display	3 displays: DVI-D, VGA and HDMI; up to 7 displays with optional graphic cards – except GV-3008H V5 2 displays: 2 of 3 ports DVI-D, VGA and HDMI – GV-3008H V5		
Gigabit LAN	1 (GV-NVRH V5 and GV-3008H V5 built in 2)		
DVD (±) RW	Yes (Slim 8X)		
RAID	Optional (RAID 0 / 1 / 5 / 6 / 00 / 10 / 50 / 60)		
Power	Output: 400 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 550 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 1000 W; Input: 100 ~ 240 V, 47 ~ 63 Hz
Sensor / Alarm			
Input/Output	Built-in: 4 / 4 (Optional: up to 144 / 144)		
Environment			
Operating Temperature	0 °C ~ 45 °C / 32 °F ~ 113 °F		
Anti-shock/ Vibration	N/A		
Physical			
Weight	18 Kg / 39.6 lb (± 1 kg / 2.2 lb)	19 Kg / 41.8 lb (± 1 kg / 2.2 lb)	24 kg / 52.8 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	483 x 132.5 x 580 mm / 19 x 5.2 x 22.8 in	483 x 132.5 x 650 mm / 19 x 5.2 x 25.5 in	483 x 178 x 660.4 mm / 19 x 7 x 26 in
Software			
Total Display Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 4 MP: 480 fps 5 MP: 320 fps		
Total Recording Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 4 MP: 480 fps 5 MP: 320 fps		
Remote Live View	IE, Chrome, Firefox and Safari		
Mobile Monitoring	iOS / Android		
Recovery	Auto System Rebuilt from internal HDD		
Language	29 *		
License			
Free License	32-CH GV-IP Cameras		
Max. License	32-CH 3rd-party IP Cameras		

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Comparison Chart for GV-Hot Swap VMS System V5




Model	GV-Hot Swap VMS System V5 (Rev. B) 3U (8-Bay)	GV-Hot Swap VMS System V5 (Rev. B) 3U (16-Bay)	GV-Hot Swap VMS System V5 (Rev. B) 4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
Hybrid	Pure IP solution		
CPU	Intel Core i7 Processor		
RAM	8 GB Dual Channels		
OS	64-bit Windows 7 Embedded SP1		
No. of HDD	8 (3.5" HDD)	16 (3.5" HDD)	20 (3.5" HDD)
Internal Storage	500 GB (3.5" HDD)	500 GB (2.5" HDD)	500 GB (3.5" HDD)
External Storage Interface	USB (2.0) x 4, USB (3.0) x 4		
Display	3 displays: DVI-D, VGA and HDMI; up to 7 displays with optional graphic cards		
Gigabit LAN	2		
DVD (±) RW	Yes (Slim 8X)		
RAID	Optional (RAID 0 / 1 / 5 / 6 / 00 / 10 / 50 / 60)		
Power	Output: 400 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 550 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 1000 W; Input: 100 ~ 240 V, 47 ~ 63 Hz
Sensor / Alarm			
Input/Output	Built-in: 4 / 4 (Optional: up to 144 / 144)		
Environment			
Operating Temperature	0 °C ~ 45 °C / 32 °F ~ 113 °F		
Anti-shock/ Vibration	N/A		
Physical			
Weight	18 Kg / 39.6 lb (± 1 kg / 2.2 lb)	19 Kg / 41.8 lb (± 1 kg / 2.2 lb)	24 kg / 52.8 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	483 x 132.5 x 580 mm / 19 x 5.2 x 22.8 in	483 x 132.5 x 650 mm / 19 x 5.2 x 25.5 in	483 x 178 x 660.4 mm / 19 x 7 x 26 in
Software			
Total Display Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 4 MP: 480 fps 5 MP: 320 fps		
Total Recording Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 4 MP: 480 fps 5 MP: 320 fps		
Remote Live View	IE, Chrome, Firefox and Safari		
Mobile Monitoring	iOS / Android		
Recovery	Auto System Rebuilt from internal HDD		
Language	22 *		
License			
Supported Devices	Channels	License	
GV IP Devices Only	32 ch	No license required	
	64 ch	GV-VMS Pro license required, 32 ch per license	
GV + 3rd-Party IP Devices	32 ch	3 rd -Party license required, in increments of 1 ch	
	64 ch	2 licenses required: • GV-VMS Pro license, 32 ch per license. • 3rd-Party license, in increments of 1 ch.	

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Comparison Chart for GV-Hot Swap Recording Server System V5




Model	GV-Hot Swap Recording Server System (Rev. B)		
	3U (8-Bay)	3U (16-Bay)	4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
CPU	Intel Core i7 Processor		
RAM	16 GB Dual Channels		
OS	64-bit Windows 7 Embedded Standard		
No. of HDD	8 (3.5" HDD)	16 (3.5" HDD)	20 (3.5" HDD)
Internal Storage	500 GB (3.5" HDD)	500 GB (2.5" HDD)	500 GB (3.5" HDD)
External Storage Interface	USB (2.0) x 4 USB (3.0) x 4		
Display	3 displays: DVI-D, VGA and HDMI		
Gigabit LAN	3		
DVD (±) RW	Yes (Slim 8X)		
RAID	Optional (RAID 0 / 1 / 5 / 6 / 00 / 10 / 50 / 60)		
Power	Output: 400 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 550 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 1000 W; Input: 100 ~ 240 V, 47 ~ 63 Hz
Sensor / Alarm			
Input/Output	N/A		
Environment			
Operating Temperature	0 °C ~ 45 °C / 32 °F ~ 113 °F		
Anti-shock/ Vibration	N/A		
Physical			
Weight	17.5 Kg / 38.5 lb (± 1 kg / 2.2 lb)	18.5 Kg / 40.7 lb (± 1 kg / 2.2 lb)	23.5 kg / 51.8 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	483 x 132.5 x 580 mm / 19 x 5.2 x 22.8 in	483 x 132.5 x 650 mm / 19 x 5.2 x 25.5 in	483 x 178 x 660.4 mm / 19 x 7 x 26 in
Software			
IP Video Device Connections	128 channels		
Remote Client Connections	300 channels		
Recording Channels	128 channels		
Remote Live View	IE		
Recovery	Auto System Rebuilt from internal HDD		
Language	29 *		
License			
Free License	GV-IP Cameras: 128-CH		
Max. License	3rd-party IP Cameras: 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128-CH		

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Comparison Chart for GV-Hot Swap Backup Center System V5

Model	GV-Hot Swap Backup Center System (Rev. B)		
	3U (8-Bay)	3U (16-Bay)	4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
CPU	Intel Core i7 Processor		
RAM	4 GB Dual Channels		
OS	64-bit Windows 7 Embedded Standard		
No. of HDD	8 (3.5" HDD)	16 (3.5" HDD)	20 (3.5" HDD)
Internal Storage	500 GB (3.5" HDD)	500 GB (2.5" HDD)	500 GB (3.5" HDD)
External Storage Interface	USB (2.0) x 4 USB (3.0) x 4		
Display	3 displays: DVI-D, VGA and HDMI		
Gigabit LAN	4		
DVD (±) RW	Yes (Slim 8X)		
RAID	Optional (RAID 0 / 1 / 5 / 6 / 00 / 10 / 50 / 60)		
Power	Output: 400 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 550 W; Input: 100 ~ 240 V, 47 ~ 63 Hz	Output: 1000 W; Input: 100 ~ 240 V, 47 ~ 63 Hz
Sensor / Alarm			
Input/Output	N/A		
Environment			
Operating Temperature	0 °C ~ 45 °C / 32 °F ~ 113 °F		
Anti-shock/ Vibration	N/A		
Physical			
Weight	17.5 Kg / 38.5 lb (± 1 kg / 2.2 lb)	18.5 Kg / 40.7 lb (± 1 kg / 2.2 lb)	23.5 kg / 51.8 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	483 x 132.5 x 580 mm / 19 x 5.2 x 22.8 in	483 x 132.5 x 650 mm / 19 x 5.2 x 25.5 in	483 x 178 x 660.4 mm / 19 x 7 x 26 in
Software			
Number of hosts	200 units of GV-System and GV-IP Devices		
Number of user accounts	100 in total including Supervisors and Users		
Backup schedule	Yes (for GV-System and GV-IP Devices)		
Backup rule	10 rules for working and non-working days independently		
Resuming backup after losing connection to hosts	Yes		
E-mail alert	Low risk space, disconnection, file transfer failure		
Disk space recycle	Yes		
Keep Day	Definable and unlimited in number		
System Log query	Web-based query pages		
Video playback	Available through web-based query pages, or Remote ViewLog Playback program additionally installed from Software DVD		
Remote Live View	IE		
Language	16*		

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