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Comparison Chart for GV-DVR / NVR Surveillance System

Model	GV-NVR System Lite V2 (Rev. D)	GV-Tower System V2
		
System		
Form Factor	Desktop	Tower
Hybrid	Pure IP Solution	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 (Optional)
RAM	4 GB	4 GB Dual Channels
OS	64-bit Windows 7 Embedded SP1	64-bit Windows 7 Embedded OS
No. of HDD	N/A	4 (3.5" HDD; SATA3 interface)
Internal Storage	1 TB (2.5" HDD)	64 GB SSD
Extended Storage Interface	USB (2.0) x 3 USB (3.0) x 1	USB (2.0) x 6 USB (3.0) x 2
Display	2 displays: VGA and HDMI	3 displays: VGA, DVI-D and HDMI
Gigabit LAN	1	2
RAID	N/A	
Power	Output: 65 W, 19 V, 3.42 A; Input: 100 ~ 240 V, 50 ~ 60 Hz	Output: 250 W; Input: 110 ~ 115 V, 60 Hz Input: 220 ~ 230 V, 50 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	8 kg / 17.64 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	200 x 270 x 335 mm / 7.87 x 10.63 x 13.19 in
Software		
Total Display Rate (Max.)	1.3 MP ~ 2 MP: 480 fps 3 MP: 220 fps 4 MP: 165 fps 5 MP: 160 fps	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 5 MP: 320 fps
Total Recording Rate (Max.)	1.3 MP ~ 2 MP: 480 fps 3 MP: 220 fps 4 MP: 165 fps 5 MP: 160 fps	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 5 MP: 320 fps
Note: All the test results regarding frame rate and display rate are only for H.264 IP cameras.		
Remote Live View	IE, Chrome, Firefox and Safari	
Mobile Monitoring	iOS / Android	
Recovery	Automatic system rebuild from internal HDD	Automatic system rebuild from internal SSD
Language	29 **	
License		
Free License	16-CH GV-IP Cameras	32-CH GV-IP Cameras
Max. License	10-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	
RAID		N/A	
Power		10 ~ 35V DC	10 ~ 35V DC
Sensor/Alarm			
Input/Output		Optional	
Environment			
Operating Temperature	HDD	0°C ~ 60°C / 32°F ~ 140°F	
	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
Note: All the test results regarding frame rate and display rate are only for H.264 IP cameras.			
Remote Live View		IE, Chrome, Firefox and Safari	
Mobile Monitoring		iOS / Android	
Recovery		Automatic system rebuild from internal HDD	Automatic system rebuild 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. C) 3U (8-Bay)	GV-Hot Swap System V5 (Rev. C) 3U (16-Bay)	GV-Hot Swap System V5 (Rev. C) 4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
Hybrid	DVR / NVR / Hybrid		
Video Capture Card	GV-5016 / GV-1480B		
Analog Inputs	16 (DVR)		
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	64 GB SSD	64 GB SSD	64 GB SSD
External Storage Interface	USB (2.0) x 2, USB (3.0) x 4		
Display	3 displays: VGA, DVI-D, and HDMI		
Gigabit LAN	DVR: 1; NVR: 2		
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	Automatic system rebuild 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-VMS Surveillance System

Model	GV-Tower VMS System V2
	
System	
Form Factor	Tower
Hybrid	Pure IP Solution
CPU	Intel Core i3 or i5 Processor (Optional)
RAM	4 GB Dual Channels
OS	64-bit Windows Embedded OS
No. of HDD	4 (3.5" HDD; SATA3 interface)
Internal Storage	64 GB SSD
External Storage Interface	USB (2.0) x 6 USB (3.0) x 2
Display	3 displays: VGA, DVI-D and HDMI
Gigabit LAN	2
RAID	N/A
Power	Output: 250 W; Input: 110 ~ 115 V, 60 Hz Input: 220 ~ 230 V, 50 Hz
Sensor / Alarm	
Input/Output	Optional
Environment	
Operating Temperature	0 °C ~ 45 °C / 32 °F ~ 113 °F
Anti-shock/ Vibration	N/A
Physical	
Weight	8 kg / 17.64 lb (± 1 kg / 2.2 lb)
Dimensions (W x H x D)	200 x 270 x 335 mm / 7.87 x 10.63 x 13.19 in
Software	
Total Display Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 5 MP: 320 fps
Total Recording Rate (Max.)	CIF ~ 2 MP: 960 fps 3 MP: 640 fps 5 MP: 320 fps
Note: All the test results regarding frame rate and display rate are only for H.264 IP cameras.	
Remote Live View	IE, Chrome, Firefox and Safari
Mobile Monitoring	iOS / Android
Recovery	Automatic system rebuild from internal SSD
Language	22 **
License	
Free License	32-CH GV-IP Cameras
Max. License	32-CH 3rd-party IP Cameras

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

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Model	GV-Hot Swap VMS System V5 (Rev. C) 3U (8-Bay)	GV-Hot Swap VMS System V5 (Rev. C) 3U (16-Bay)	GV-Hot Swap VMS System V5 (Rev. C) 4U (20-Bay)
			
System			
Form Factor	3U Rack-mount		4U Rack-mount
Hybrid	Pure IP solution		
CPU	Intel Core i7 Processor		
RAM	16 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	64 GB SSD	64 GB SSD	64 GB SSD
External Storage Interface	USB (2.0) x 2, USB (3.0) x 4		
Display	3 displays: VGA, DVI-D, and HDMI		
Gigabit LAN	2		
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	Automatic system rebuild 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 + 3 rd -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-Recording Server Surveillance System

Model	GV-Hot Swap Recording Server System (Rev. C)	
	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	16 (3.5" HDD)	20 (3.5" HDD)
Internal Storage	64 GB SSD	64 GB SSD
External Storage Interface	USB (2.0) x 2 USB (3.0) x 4	
Display	3 displays: VGA, DVI-D, and HDMI	
Gigabit LAN	3	
RAID	Optional (RAID 0 / 1 / 5 / 6 / 00 / 10 / 50 / 60)	
Power	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	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 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	Automatic system rebuild 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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