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Comparison Chart for GV-DVR / NVR Surveillance System



| 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 (Optional) |
| 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 GB (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 MP: 640 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 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-VMS Surveillance System

| 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 + 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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| Model | | GV-Tower VMS System | |
|---|---|--|--|
|  | | | |
| 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 SP1 | | |
| No. of HDD | 4 (3.5" HDD) | | |
| Internal Storage | 16 GB (DOM) for Intel Core i3 or 32 GB (DOM) for Intel Core i5 | | |
| External Storage Interface | USB (2.0) x 6 | | |
| Display | 2 displays: VGA and HDM | | |
| Gigabit LAN | 2 | | |
| DVD (±) RW | N/A | | |
| Power | Output: 120 W; Input: 100 ~ 230 V, 47 ~ 63 Hz | | |
| Sensor / Alarm | | | |
| Input/Output | Optional | | |
| Environment | | | |
| Operating Temperature | 0 °C ~ 45 °C / 32 °F ~ 113 °F | | |
| Anti-shock/ Vibration | N/A | | |
| Physical | | | |
| Weight | 6.3 Kg / 13.8 lb (± 1 kg / 2.2 lb) | | |
| Dimensions (W x H x D) | 260 x 140 x 260 mm / 10.24 x 5.51 x 10.24 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 | | |
| 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 | |
| GV + 3 rd -Party IP Devices | 32 ch | 3 rd -Party license required, in increments of 1 ch | |




Note:

1. All specifications are subject to change without notice.
2. For data backup, you can connect an external USB DVD or a CD burner.

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Comparison Chart for GV-Recording Server Surveillance System




| 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-Backup Center Surveillance System

| 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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